1	2	3	4	5	6	7	8	9	10

1	
2	
3	
4	
5	
6	

UNLESS OTHERWISE SPECIFIED

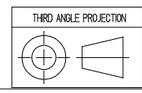
DIMENSIONS ARE IN MILLIMETERS
ALL DIMENSIONS APPLY AFTER FINISH
BREAK ALL EDGES TO R 0.1-0.4

TOLERANCES:

DECIMALS	ANGLES
.XX ± .1	.XX ± 0.1°
.X ± .3	.X ± 0.5°
.X ± 1	

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION



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DRAWN dbhangale	DATE 1/13/2023	
DESIGN	DATE	
CHECKED dbhangale	DATE 1/13/2023	
APPROVED dbhangale	DATE 1/13/2023	
MATERIAL		
HEAT TREAT		
FINISH		

Monarch Tractor
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W0110 Chassis

CHASSIS HARNESS

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 01

1-CHASSIS HARNESS

Drawing	Description	Revision	Date	Created by
01	Front page	E	1/13/2023	dbhangale
02	Drawings list	E	1/13/2023	dbhangale
03	Drawings list	E	1/13/2023	dbhangale
04	Drawings list	E	1/13/2023	dbhangale
05	Cover sheet	E	1/13/2023	dbhangale
06	Revision Details	E	1/13/2023	dbhangale
07	Revision Details	E	1/13/2023	dbhangale
08	5V & sGND(3/44)	E	1/13/2023	dbhangale
09	TTC580 PWR(4/44)-V	E	1/13/2023	dbhangale
10	HVIL(5/44)-V	E	1/13/2023	dbhangale
11	H. HVIL(6/44)	E	1/13/2023	dbhangale
12	HMI(7/44)	E	1/13/2023	dbhangale
13	JOYSTICK - PTO(8/44)	E	1/13/2023	dbhangale
14	SHIFTING(9/44)	E	1/13/2023	dbhangale
15	WHEEL SPEED(10/44)	E	1/13/2023	dbhangale
16	STEERING (11/44)	E	1/13/2023	dbhangale
17	GROUND L1	E	1/13/2023	dbhangale
18	GROUND L2	E	1/13/2023	dbhangale
19	GROUND L3	E	1/13/2023	dbhangale
20	GROUND L4	E	1/13/2023	dbhangale
21	FILTER - SEAT(12/44)	E	1/13/2023	dbhangale
22	PE/TRACTOR PUMP(13/44)-V	E	1/13/2023	dbhangale
23	ROOF CONNECTIVITY(14/44)-V	E	1/13/2023	dbhangale
24	Front and Rear Implement Ethernet - V	E	1/13/2023	dbhangale
25	H.FWD (15/44) - V	E	1/13/2023	dbhangale
26	H. TRANS/PTO(17/44)	E	1/13/2023	dbhangale
27	H. BRAKE(18/44)	E	1/13/2023	dbhangale
28	H. 3-POINT(19/44)	E	1/13/2023	dbhangale
29	H. 3-POINT(19/44)	E	1/13/2023	dbhangale
30	SINGLE SENSOR(20/44) - V	E	1/13/2023	dbhangale
31	H.REAR AUX(21/44)	E	1/13/2023	dbhangale
32	H. TOP LINK(22/44)	E	1/13/2023	dbhangale
33	H.WORK/IMPLMNT(23/44)	E	1/13/2023	dbhangale
34	ACDB/FRONT FRAME(24/44)	E	1/13/2023	dbhangale

X ± 03

XXX ± 005

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SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 02

-> 1-CHASSIS HARNESS

Drawing	Description	Revision	Date	Created by
35	SIMPL(25/44) - V	E	1/13/2023	dbhangale
36	LAN & CAM(27/44) - V	E	1/13/2023	dbhangale
37	MAIN CAN	E	1/13/2023	dbhangale
38	REDUN CAN	E	1/13/2023	dbhangale
39	POWER CAN	E	1/13/2023	dbhangale
40	POWER CAN	E	1/13/2023	dbhangale
41	AUX/IMP CAN (CAN 4/CAN 5)	E	1/13/2023	dbhangale
42	CAN DEBUG PORT	E	1/13/2023	dbhangale
43	GND POINT REF	E	1/13/2023	dbhangale
44	Connector tables	E	1/13/2023	dbhangale
45	Connector tables	E	1/13/2023	dbhangale
46	Connector tables	E	1/13/2023	dbhangale
47	Connector tables	E	1/13/2023	dbhangale
48	Connector tables	E	1/13/2023	dbhangale
49	Connector tables	E	1/13/2023	dbhangale
50	Connector tables	E	1/13/2023	dbhangale
51	Connector tables	E	1/13/2023	dbhangale
52	Connector tables	E	1/13/2023	dbhangale
53	Connector tables	E	1/13/2023	dbhangale
54	Connector tables	E	1/13/2023	dbhangale
55	Connector tables	E	1/13/2023	dbhangale
56	Connector tables	E	1/13/2023	dbhangale
57	Connector tables	E	1/13/2023	dbhangale
58	Connector tables	E	1/13/2023	dbhangale
59	Connector tables	E	1/13/2023	dbhangale
60	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
61	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
62	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
63	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
64	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
65	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
66	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
67	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
68	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale

X ± 03

XXX ± 005

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SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 03

-> 1-CHASSIS HARNESS

Drawing	Description	Revision	Date	Created by
69	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
70	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
71	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
72	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
73	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
74	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
75	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
76	MONARCH MM - LIST OF WIRES	E	1/13/2023	dbhangale
77	Bill Of Materials grouped by manufacturer	E	1/13/2023	dbhangale
78	Bill Of Materials grouped by manufacturer	E	1/13/2023	dbhangale
79	Bill Of Materials grouped by manufacturer	E	1/13/2023	dbhangale
80	Bill Of Materials grouped by manufacturer	E	1/13/2023	dbhangale
81	Bill Of Materials grouped by manufacturer	E	1/13/2023	dbhangale
82	Bill Of Materials grouped by manufacturer	E	1/13/2023	dbhangale
83	Bill Of Materials grouped by manufacturer	E	1/13/2023	dbhangale
84	CHASSIS HARNESS - Sandbox	E	1/13/2023	dbhangale

X ± 03

XXX ± 005

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SIZE B | JOB NO. | DRAWING NO. W0110 | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 04

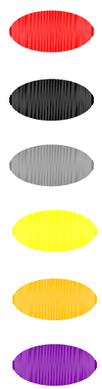
E110 Chassis Sheet Colors:

- 05 - 5V & sGND
- 06 - TTC580 PWR
- 07 - HVIL
- 08 - H. HVIL
- 09 - HMI
- 10 - JOYSTICK - PTO
- 11 - SHIFTING
- 12 - WHEEL SPEED
- 13 - ROOF ACTUATION
- 14 - FILTER - SEAT
- 15 - PE/TRACTOR PUMP
- 16 - ROOF CONNECTIVITY
- 17 - H.FWD
- 18 - H. BUCKET LOADER
- 19 - H. TRANS/PTO
- 20 - H. BRAKE
- 21 - H. 3-POINT
- 22 - SINGLE SENSOR
- 23 - H.REAR AUX
- 24 - H. TOP LINK
- 25 - H.WORK/IMPLMNT
- 26 - ACDB/FRONT FRAME
- 27 - SIMPL
- 28 - CHASSIS LAN
- 29 - LAN & CAM
- 30 - MAIN CAN
- 31 - REDUN CAN
- 32 - POWER CAN
- 33 - POWER CAN
- 34 - AUX/IMP CAN
- 35 - GND POINT REF
- 36 - 580 IO REF
- 37 - ECOTRON IO REF
- 38 - CAN 1/2 ROUTE
- 39 - CAN 3/4/5 ROUTE
- 40 - FRONT HYDRAULICS
- 41 - TOP HYDRAULICS
- 42 - LEFT HYDRULICS
- 43 - RIGHT HYDRULICS
- 44 - GROUND

E109 Debug Wire Harness

- 45 - CAN DEBUG

Signal Colour Scheme



PWR-12V

GND

Sensor GND

Sensor 5V

Ignition

HVIL

PARTS FIGURES

Two Wires in Twisted Pair

Shielded Cable

Three Wires in Twisted Pair

GENERAL NOTES

1. All wire shall be TXL unless otherwise specified
2. All fasteners with specified torque values shall receive torque stripe with Dykem Torque-Seal, Orange (McMaster-Carr P/N: 1476T611)
3. HV DC and AC Cable Runs will live in a separate cable bundle and are represented here for system level understanding

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XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS		SHEET NO. 05

Revision Log

Rev A1 Revisions:
1. Added Fan control and seat sensors to ecotrons
2. Updated bulkheads
3. Revised HVIL so mid-pack disconnect is detected by TTC580
4. Added caps to connectors that are not normally connected
5. Added heatshrink boots sealed cable entry connectors
6. Revised Aux CAN to 2 busses to handle rear implement can connectivity

Rev B Revisions:
1. Changed CAN topology from hub and spoke to branch and trunk
2. Updated Busbar PNs and changed the wire gauges accordingly
3. Changed Aux Pump to Work Pump for all references
4. Changed Tractor Pump device number
5. Added Front Frame Sub-Harness
6. Added Traction-System Sub-Harness

Rev B1 Revisions:
1. Changed CAN Naming to the following:
2. CAN 1 (purple) -> Redun_CAN
3. CAN 2 (blue) -> Main_CAN
4. CAN 3 (green) -> Power_CAN
5. CAN 4 (black) -> Aux_CAN
6. CAN 5 (brown) -> Rimp_CAN
7. Remove GND 2 and updated Ground allocations
8. Fixed Sensor ground for roof actuator

Rev B2 Revisions:
1. [BP-036/BP-037] Changed M12 Ethernet Cables to RA DRII Cables
2. [JS-1063 – JS-1066] Changed Roof Actuator Connector to DT06-6S
3. [JS-1038] Changed Suction Line Sensor connector

Rev C Revisions:
1. [Wheel Speed Page] Added connections for brake lamps (left and right)
2. [BS-040] Added contacts D,E,P
3. [BS-041] Added contact 25,26,27
4. [JS-1006] Added contact 32,33
5. [JS-1008] Added contacts 32,33
6. [Ground Lug 3] Added brake lamp ground
7. [Ground lug 4] Added brake lamp ground

Rev C1 Revisions:
1. [BP-003] End Figure was fixed
2. [JS-1007] moved signal MotorB from pin (58) from (66)

Rev D Revisions (CSD) 6/23/21:
1. [JS-1006] in [X-1005]: Pin 43 changed to Pin 42 & Pin 31 changed to Pin 30 (CAN A moved to CAN B)
2. [JS-1008] in [X-1006]: Pin 43 changed to Pin 42 & Pin 31 changed to Pin 30 (CAN A moved to CAN B)
3. Added full P/Ns for [JS-1001] and [JS-1002] to Cover Sheet (Pg. 1)

REV E Revision (CSD) 8/9/21:
1. Changed SIMPL ACDB/Chassis Bulkhead cable length on sch. To 100" to match formboard from [BS-030] to [BP-028] . Not 1100". (SH 25)
2. Changed DRRI cable P/Ns for BP-005 to BP-037 (3m min req'd) and BP-036 to JS-1102 (1m min req'd) to procurable P/Ns. (SH 26).
3. Added SH33 (Chassis to Bed GND) to capture 1/0 BLK GND cable running between Front Bed F136 bus bar to Chassis transmission (SH33); Now 44 sheets overall in E110 sch.

REV F Revision (CSD) 9/24/21:
1. Changed pinout and master diagram for TTC-580 connector to reflect the need for quad encoder pins for the F. Axle Speed Sensor (master diagram changed on multiple pages)
   - Moved Front Axle Speed_A pin from #126 to pin #115 & Speed B pin from #151 to pin #139 on [JS-1001/X-1000]. (SH15)
   - Removed Bucket Loader Raise & Lower wires connecting to TTC-580 [JS-1001] pins #115 and #139 since F. Loader Bucket is not being used. Changed [BS-032] master diagram to match. (SH16)

DV Rev 1 7/11/22
1. Consolidate BP-001, BP-002 and BP-003 to new part of BP-001, PN# DRB16-102SAE-L018
2. Two Ecotron change to one Ecotron PN# ET22377A
3. Added fast charger and Temp sensor pin out in BS-015 from Pin 8 to Pin 13, JS-1001 Pin 105, 167, and 191, BP-001 Pin 22 and 23
4. Debug Bulkhead BS-045 added
5. Added sGND bus JS-1074 Pin M for Temp Sensor
6. Remove Aux on/off valve
7. BS-040 added HRI, Tail light, Foot light and Keypad
8. BS-041 added HRI, Tail light, Foot light and Keypad
9. Changed the two seat belt sensors into one PN#DT06-6s
10. Changed the 4 Ground Lug connector
11. Added right and left speed sensors JS-1085 and JS-1086
12. Added Keyon Pin to BS-46 connected to Econtron Ign Pin in Chassis Controller JS-1001 and Ecotron JS-1009
13. Removed BS-006, added Front Axle speed sensor Js-1099
14. Delete bucket loader bulkhead BS-032 and the GND and power pin in Js-1072 and J-1074 and Chassis Controller.
15. Added Brake Pedal sensor JS-1097
16. Added new valve sensors connectors Js-1100, JS-1101, JS-1102, JS-1103, JS-1104, JS-1105, JS-1106 and JS-1107
17. Added 3p left and right angle sensors JS-1018, JS-1019, left and right angle sensors JS-1018, JS-1019
18. Changed JS-1023 and JS-1044, the left and right rear aux pressure 6A and 6B sensors to the left and right rear aux pressure 1A and 1B sensors
19. Changed the Implement on/off pressure sensor to Free Return pressure sensor
20. Deleted Chassis Lan bulkhead, BP-005, BP/S-037, BP/S-036 and BS-039
21. Added JS-1109 HRI connector
22. Added mid-gearbox lug to Hydraulic mandifold

DV REV A 7/14/2022
1. Added PN#DJ7032A-2.2-21 for JS-0802
2. Added PN#6006790 to JS0901, remove Molex connector
3. Exchanged Pin out Pin 241 and Pin 108 in Chassis controller
4. Exchanged Pin out Pin 151 and 126 with Pin 115 and Pin 139

DV REV A1 8/26/2022
1. Added twisted pair for CAN High and CAN Low
2. Updated the wire length

DV REV A2 09/20/2022
1. Added 5V sensor power to BS-006 Pin 7, and sensor GND to BS-006 Pin 8.
2. Used splice to connect TTC JS-1002 Pin 257 and Pin 258, then to JS-1073

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XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110 / REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 06

Revision Log

For DV Rev B:
1. BS-015 pin out changed
2. BS-007(P) AHDP02-18-06SN-SRAC03 pin out changed
3. Changed wire gauge for pins going to DRB 45,46,50, and 51 to 20 awg, pin 19 changed to 20 awg, change pin 45 to pin 47
4. Change all White wire color code to Grey
5. Dropped wire gauge on 134, 135 to 22awg
6. JS-1013 connector PN# changed from 12162833 to 12162834 and teminals PN#
7. Changed CTJ1-22-E01C-513 to CTJ1-20-E01C-513 for JS-1071, 1072, 1073, 1074, add JS-1076, 10777, 1078, 1079
8. Added 5V signal wire from pin 28 Ecotron JS-1008 to Seatbelt sensor JS-0905 pin 6
9. Changed wire from 22awg to 20awg for wires 107-112
10. BS-006 pin 4 terminal change frome 20 to 16 awg
11. Added 5V wire from Ecotron JS-1008 pin 28 to JS-0905 pin 2
12. Changed all the 22 awg in BS-041 to 20 awg.
13. Changed Wire#0074 and 0072 to 22 awg
14. Remove second ground strap sheet
15. Change JS-1017 channel pins set from 1 to 2 to make it the same as JS-1016
16. JS-1085 Pin 2 and 6 sawp, as well as JS-1086 Pin 1 and 5 sawp
17. JS-1038 and JS - 0901 pin out changed.

Rev C:
1. JS-1038 pin out change along with JS-1001 and JS-1073
2. HRI pin out swap.
3. L1, L4 and Roof GND 4 lugs P/N change
4. Length Changes on JS-1013, JS-1401, BS-015, JS-1018, BS-040, JS-1043, JS-1044, JS-1045, JS-1046, JS-1105, JS-1070, JS-1069, JS-1031, JS-1034, JS-1052, JS-1029 and JS-1019
5. Location change on node 47, node 62 and connectors JS-1030, JS-1035, JS-1061, JS-1062, JS-1033
6. JS-0901 connector P/N change
7. Removed Chassis to Bed GND cable form W0110 and created a new P/N for it.
8. Removed JS-1031 connector

Rev D:
1. Fixed pinouts on JS-1013 connector.
2. Added new JS-1110 Toplink Pressure Release valve connector for that pin 61 was added on JS-1008 connector.
3. Length change on connector JS-1067
4. Length Change on connector JS-1060 and JS-1037
5. Location change on connector BP-006, BP-029 and BP-044.
6. Node 19 and Node 28 are flipped 180 Degrees.
7. Added protective cover on connector BS-045
8. Added Accessory PVC Boot on Connector BS-006

Rev E:
1. Fixed pinouts on JS-0905 Seatbelt sensor connector.
2. Changes wire guage of wires 119, 129, 130, 131 and 132 to 20 AWG for 18 AWG.
3. The breakout point (Node 18) for Connector JS-1001 and JS-1002 is moved back by 4 inches. Note - No length changes are done.

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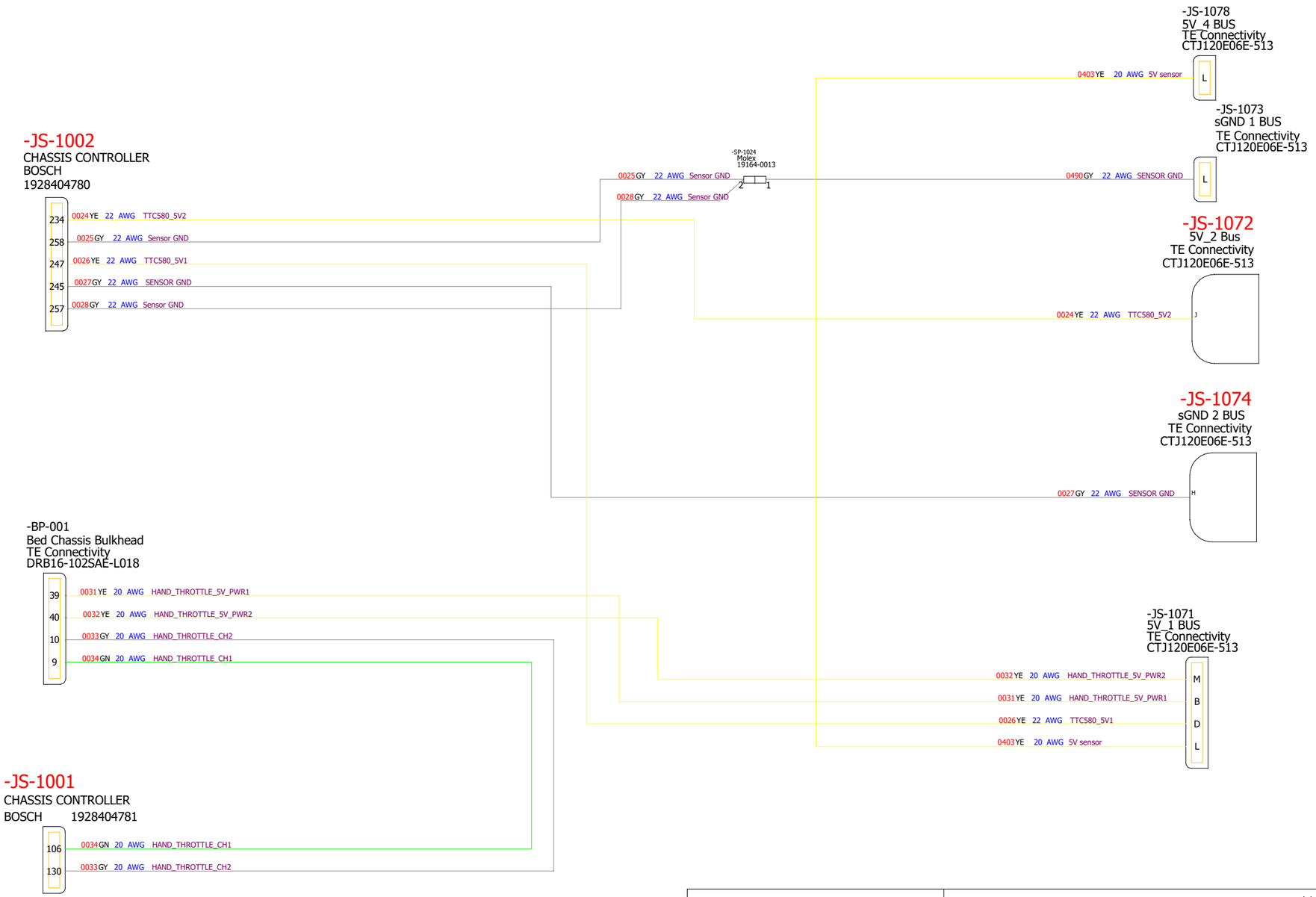
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110 Chassis	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 07



X ± 03

XXX ± 005

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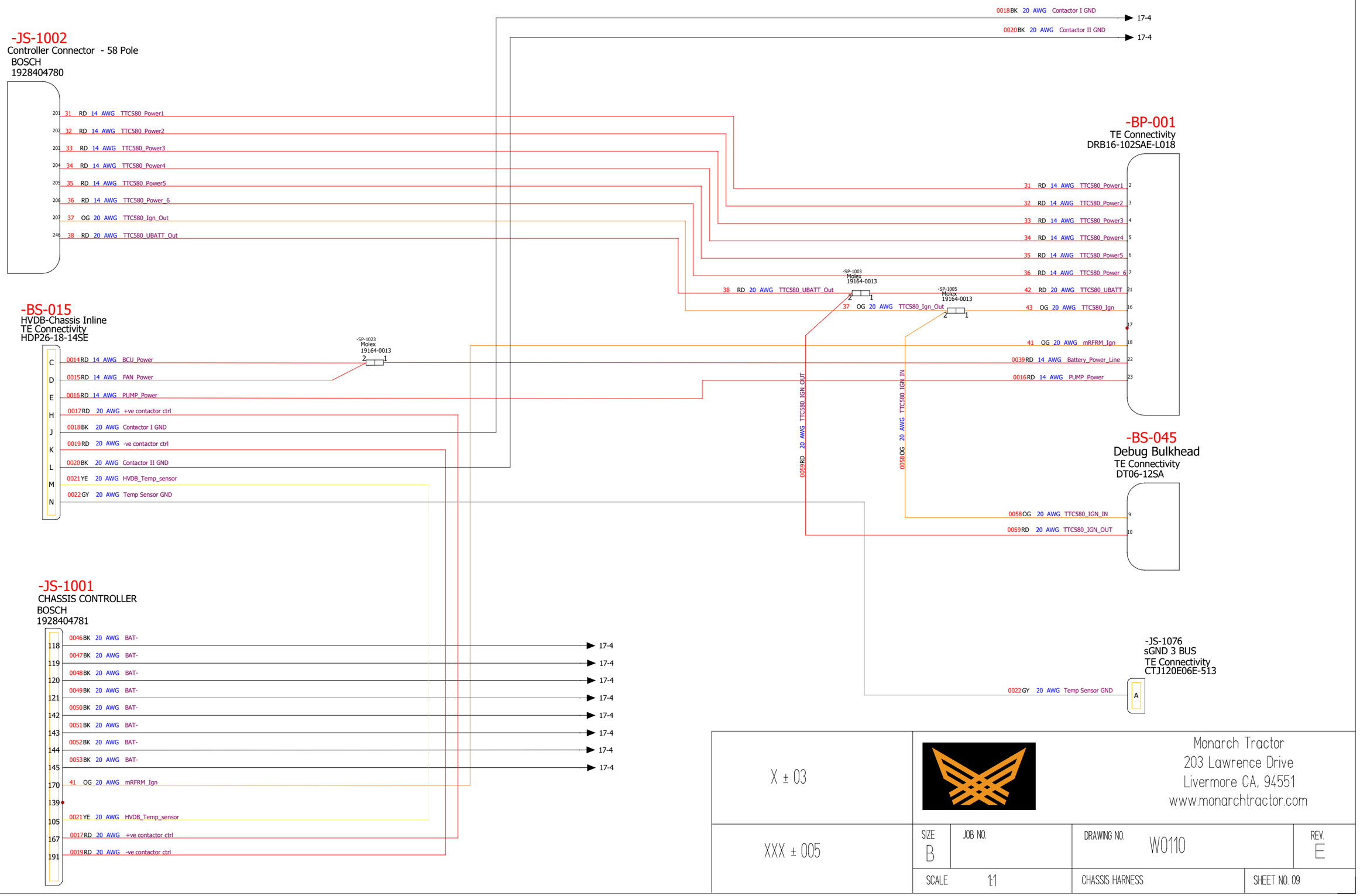
SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 08


-JS-1002
Controller Connector - 58 Pole
BOSCH
1928404780
201 31 RD 14 AWG TTC580_Power1
202 32 RD 14 AWG TTC580_Power2
203 33 RD 14 AWG TTC580_Power3
204 34 RD 14 AWG TTC580_Power4
205 35 RD 14 AWG TTC580_Power5
206 36 RD 14 AWG TTC580_Power_6
207 37 OG 20 AWG TTC580_Ign_Out
246 38 RD 20 AWG TTC580_UBATT_Out
0018 BK 20 AWG Contactor I GND
17-4
0020 BK 20 AWG Contactor II GND
17-4
-BS-015
HVDB-Chassis Inline
TE Connectivity
HDP26-18-14SE
C D E H J K L M N
0014 RD 14 AWG BCU_Power
0015 RD 14 AWG FAN_Power
0016 RD 14 AWG PUMP_Power
0017 RD 20 AWG +ve contactor ctrl
0018 BK 20 AWG Contactor I GND
0019 RD 20 AWG -ve contactor ctrl
0020 BK 20 AWG Contactor II GND
0021 YE 20 AWG HVDB_Temp_sensor
0022 GY 20 AWG Temp Sensor GND
-SP-1023
Molex
19164-0013
-SP-1003
Molex
19164-0013
-SP-1005
Molex
19164-0013
-BP-001
TE Connectivity
DRB16-102SAE-L018
31 RD 14 AWG TTC580_Power1 2
32 RD 14 AWG TTC580_Power2 3
33 RD 14 AWG TTC580_Power3 4
34 RD 14 AWG TTC580_Power4 5
35 RD 14 AWG TTC580_Power5 6
36 RD 14 AWG TTC580_Power_6 7
38 RD 20 AWG TTC580_UBATT_Out
37 OG 20 AWG TTC580_Ign_Out
42 RD 20 AWG TTC580_UBATT 21
43 OG 20 AWG TTC580_Ign 16
17
41 OG 20 AWG mRFRM_Ign 18
0039 RD 14 AWG Battery_Power_Line 22
0016 RD 14 AWG PUMP_Power 23
0059 RD 20 AWG TTC580_IGN_OUT
0058 OG 20 AWG TTC580_IGN_IN
-BS-045
Debug Bulkhead
TE Connectivity
DT06-12SA
0058 OG 20 AWG TTC580_IGN_IN 9
0059 RD 20 AWG TTC580_IGN_OUT 10
-JS-1001
CHASSIS CONTROLLER
BOSCH
1928404781
118 0046 BK 20 AWG BAT-
119 0047 BK 20 AWG BAT-
120 0048 BK 20 AWG BAT-
121 0049 BK 20 AWG BAT-
142 0050 BK 20 AWG BAT-
143 0051 BK 20 AWG BAT-
144 0052 BK 20 AWG BAT-
145 0053 BK 20 AWG BAT-
17-4
170 41 OG 20 AWG mRFRM_Ign
139
105 0021 YE 20 AWG HVDB_Temp_sensor
167 0017 RD 20 AWG +ve contactor ctrl
191 0019 RD 20 AWG -ve contactor ctrl
-JS-1076
sGND 3 BUS
TE Connectivity
CTJ120E06E-513
0022 GY 20 AWG Temp Sensor GND
A

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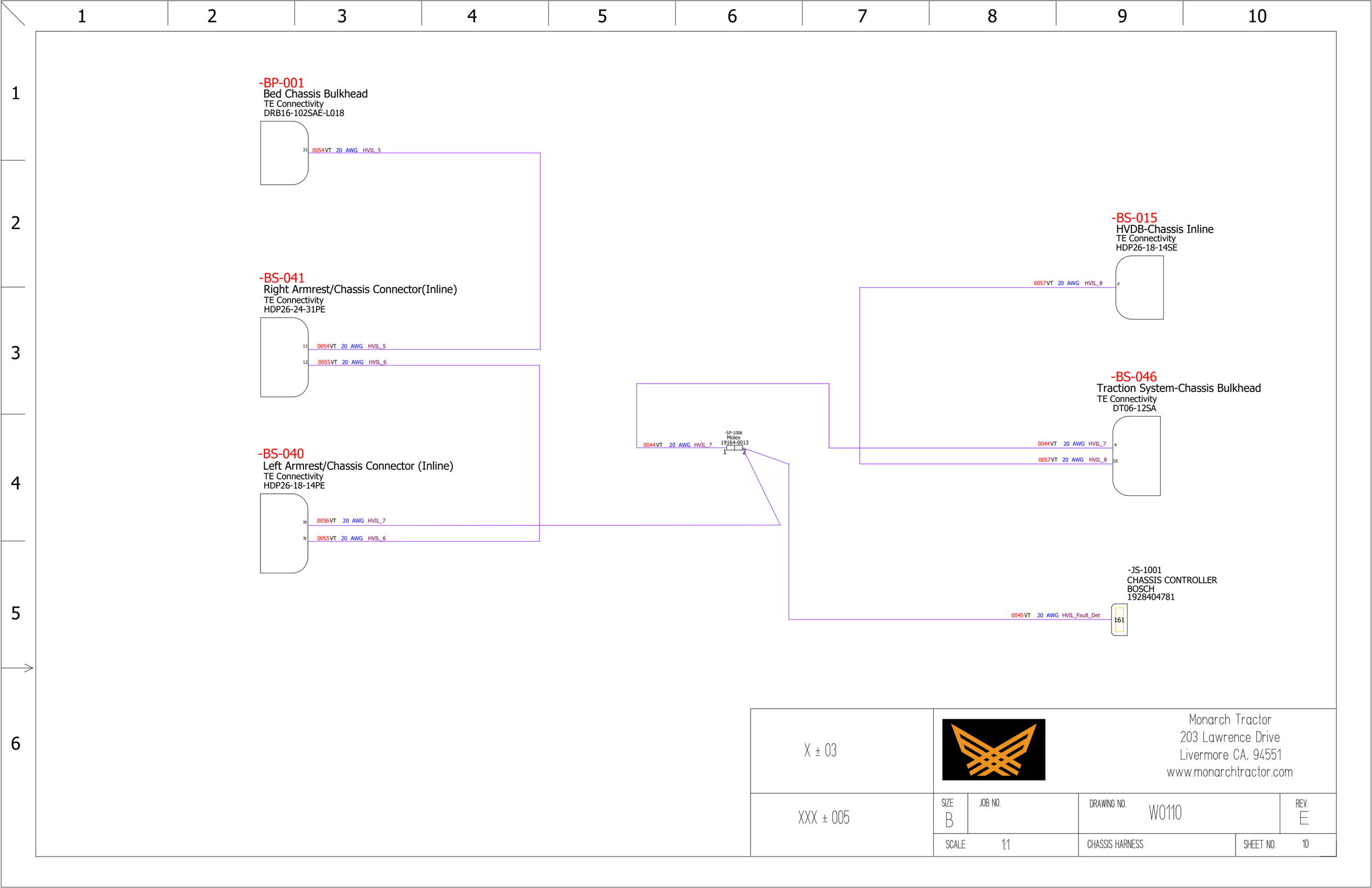
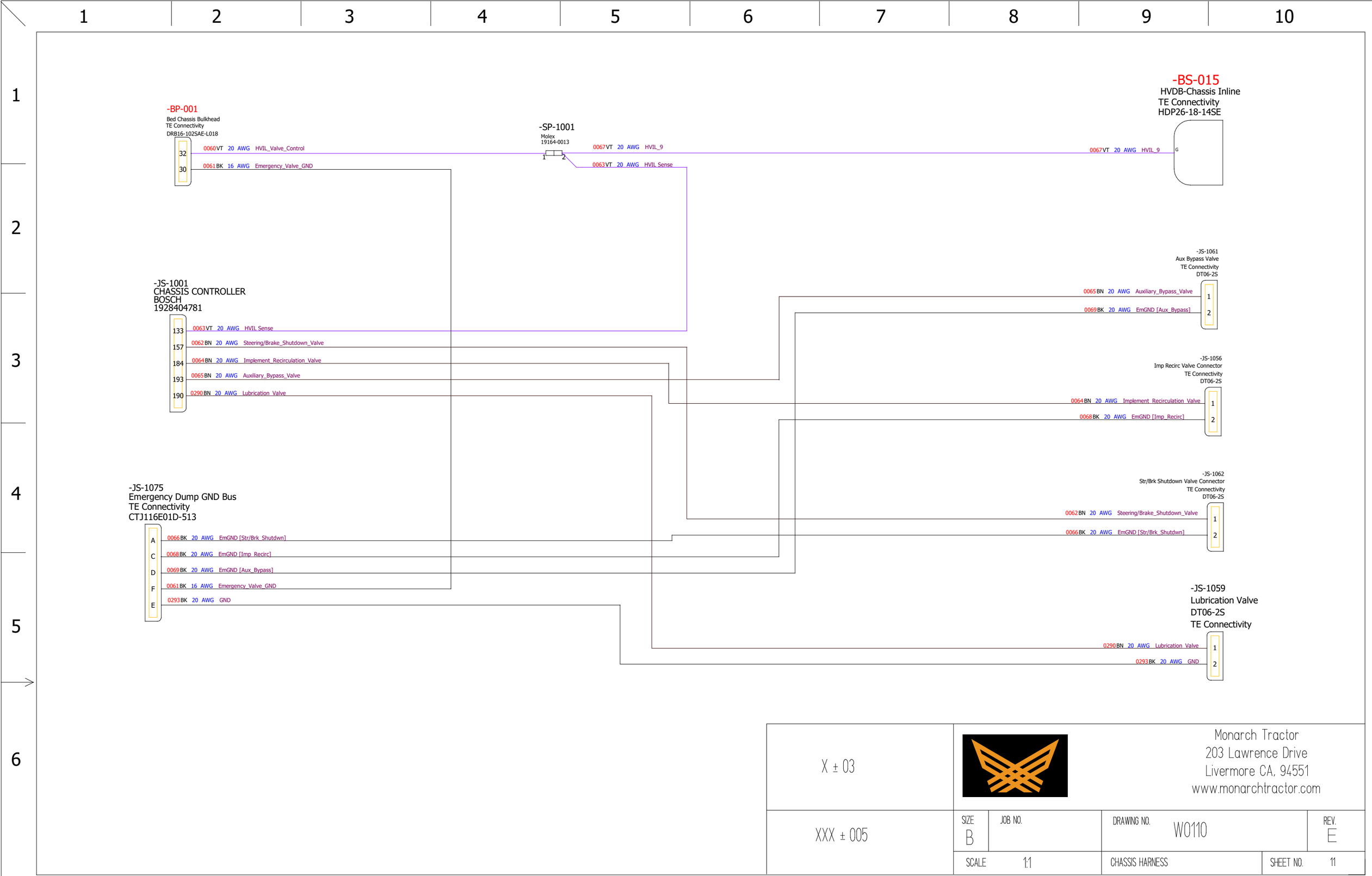
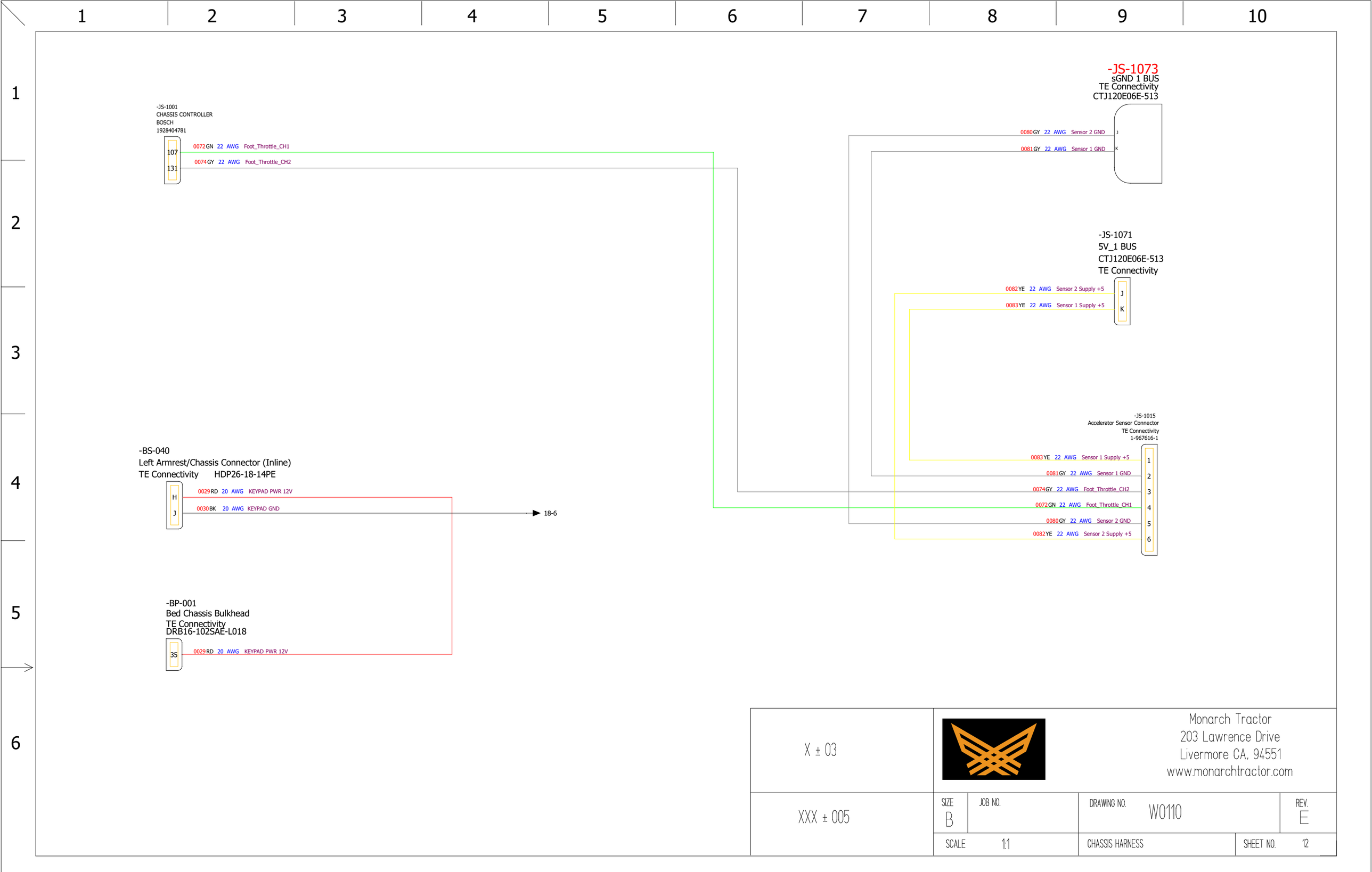
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS		SHEET NO. 09



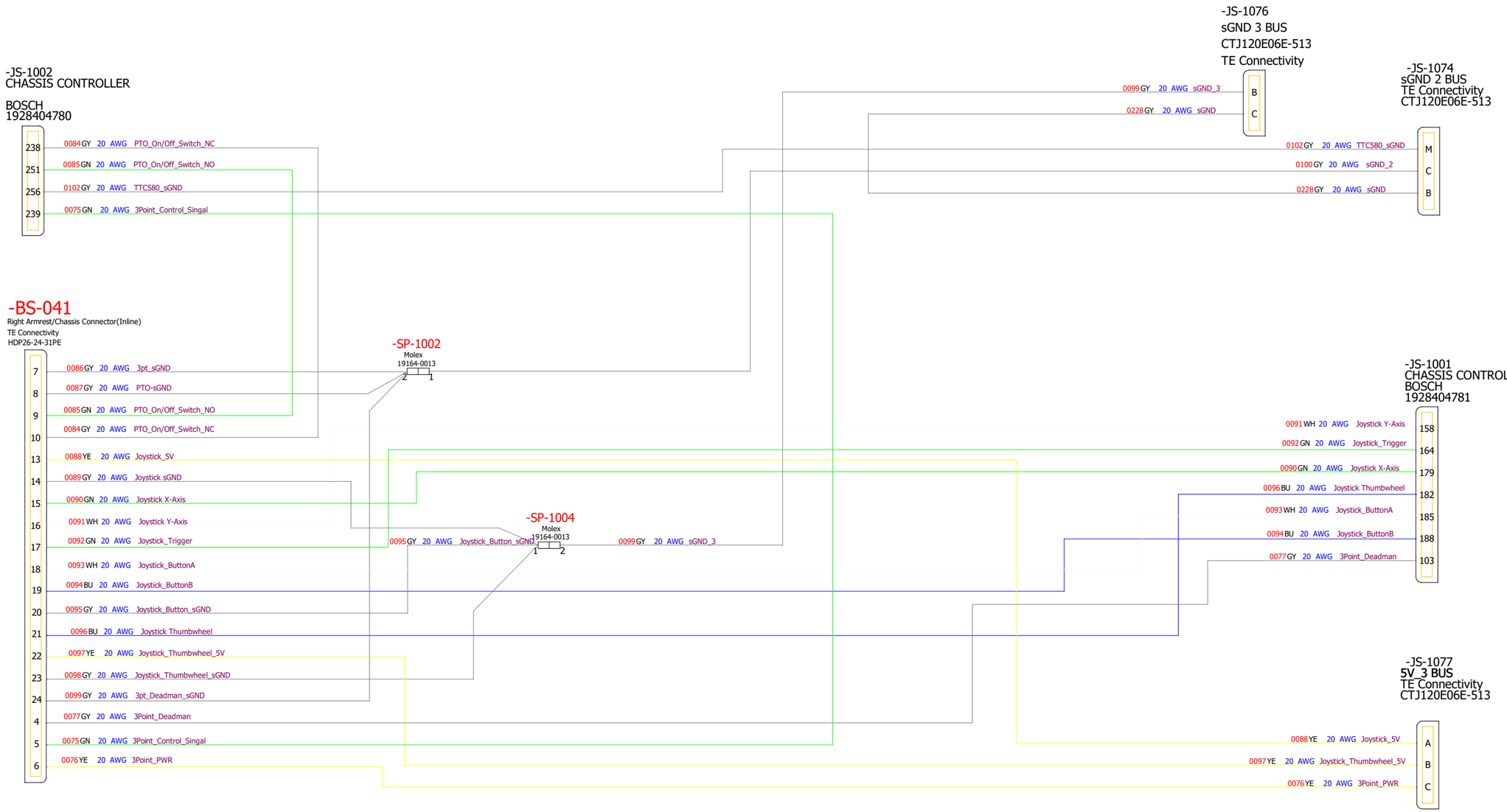
X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 10	



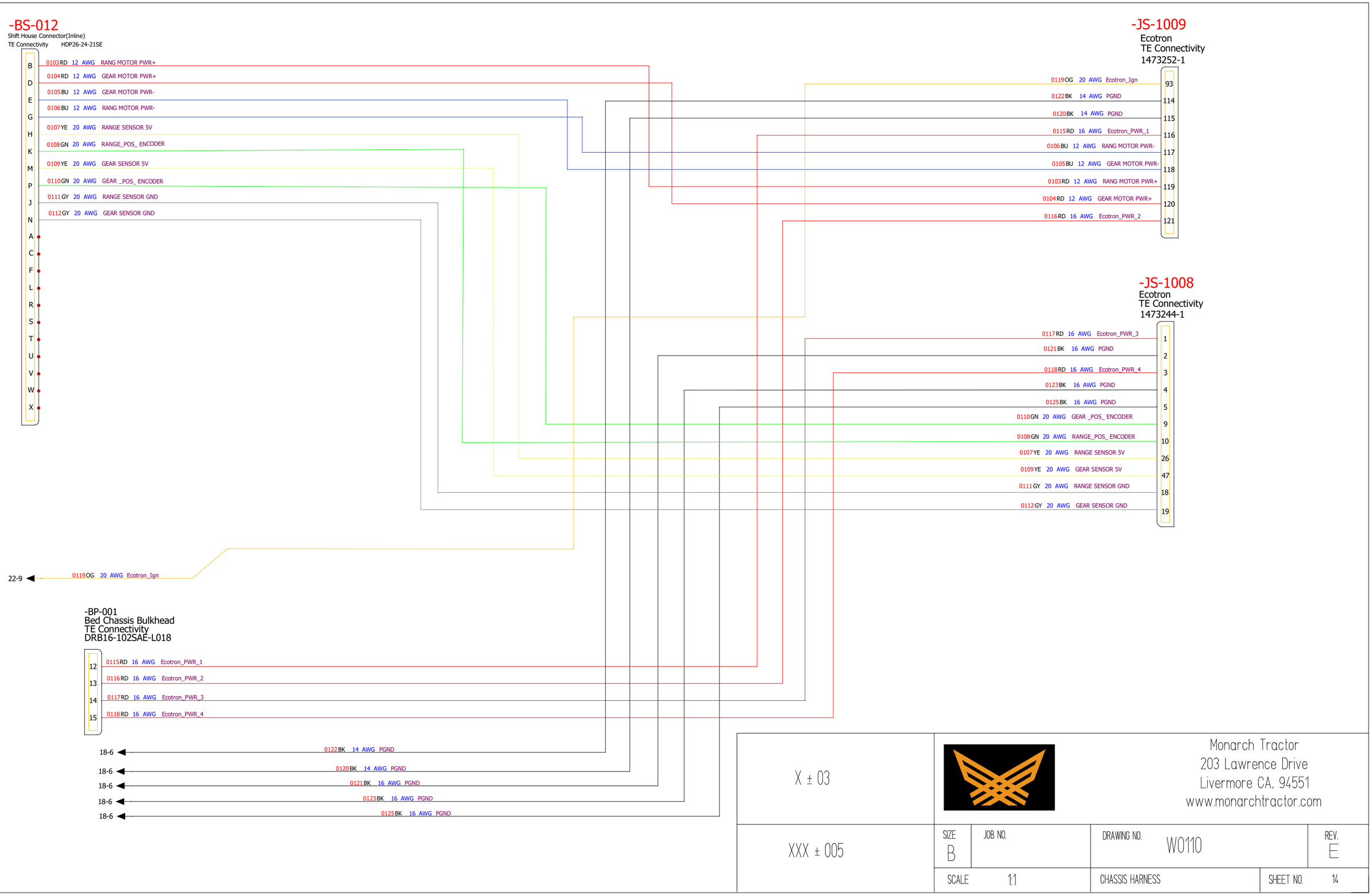
X ± 03			Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com	
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS		SHEET NO. 11



X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 12	



X ± 03			Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com	
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 13

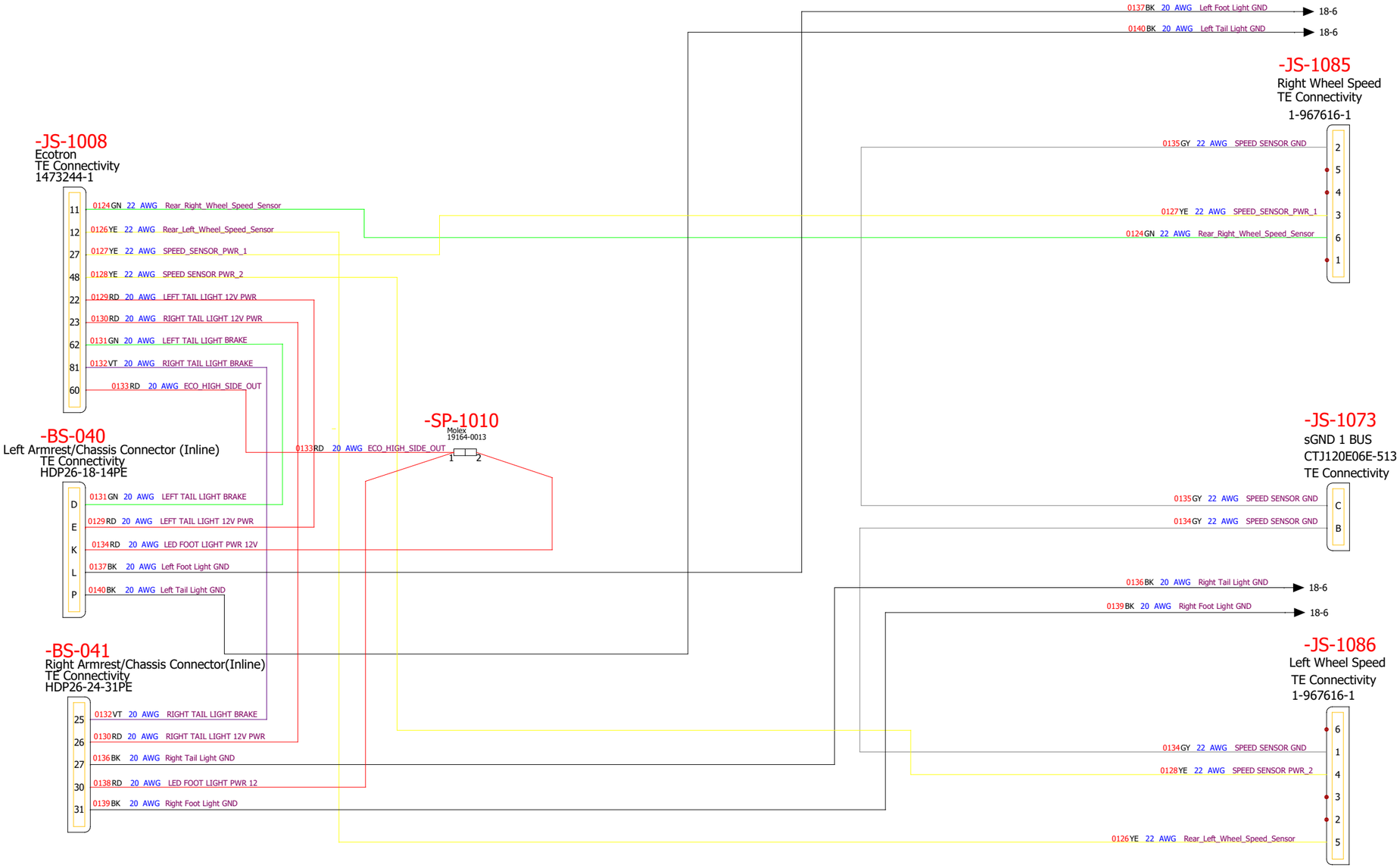


X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 14

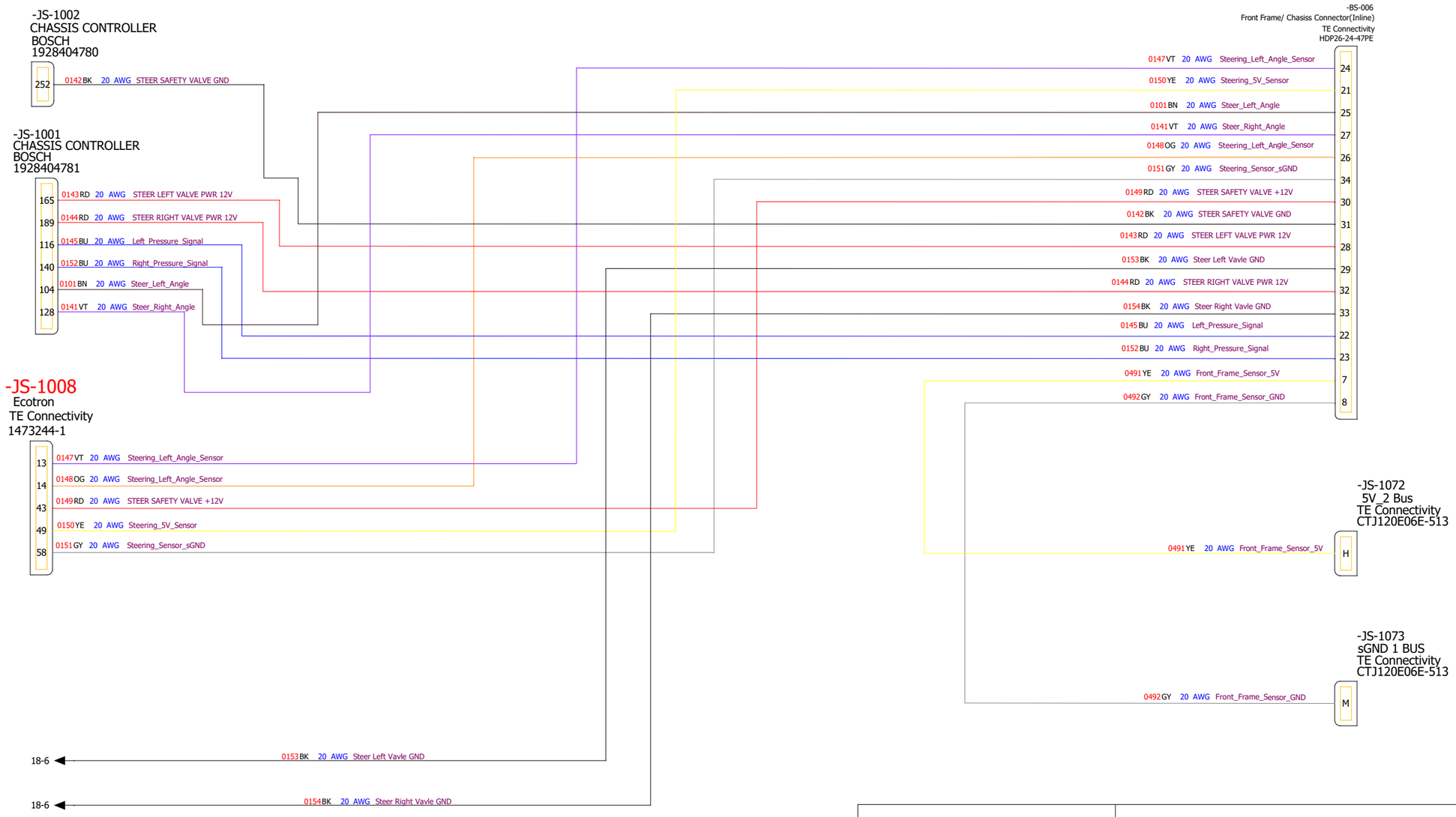

-JS-1008
Ecotron
TE Connectivity
1473244-1
11 0124 GN 22 AWG Rear_Right_Wheel_Speed_Sensor
12 0126 YE 22 AWG Rear_Left_Wheel_Speed_Sensor
27 0127 YE 22 AWG SPEED_SENSOR_PWR_1
48 0128 YE 22 AWG SPEED SENSOR PWR_2
22 0129 RD 20 AWG LEFT TAIL LIGHT 12V PWR
23 0130 RD 20 AWG RIGHT TAIL LIGHT 12V PWR
62 0131 GN 20 AWG LEFT TAIL LIGHT BRAKE
81 0132 VT 20 AWG RIGHT TAIL LIGHT BRAKE
60 0133 RD 20 AWG ECO HIGH SIDE OUT
-SP-1010
Molex
19164-0013
1 2
0133 RD 20 AWG ECO_HIGH_SIDE_OUT
-BS-040
Left Armrest/Chassis Connector (Inline)
TE Connectivity
HDP26-18-14PE
D 0131 GN 20 AWG LEFT TAIL LIGHT BRAKE
E 0129 RD 20 AWG LEFT TAIL LIGHT 12V PWR
K 0134 RD 20 AWG LED FOOT LIGHT PWR 12V
L 0137 BK 20 AWG Left Foot Light GND
P 0140 BK 20 AWG Left Tail Light GND
-BS-041
Right Armrest/Chassis Connector(Inline)
TE Connectivity
HDP26-24-31PE
25 0132 VT 20 AWG RIGHT TAIL LIGHT BRAKE
26 0130 RD 20 AWG RIGHT TAIL LIGHT 12V PWR
27 0136 BK 20 AWG Right Tail Light GND
30 0138 RD 20 AWG LED FOOT LIGHT PWR 12
31 0139 BK 20 AWG Right Foot Light GND
0137 BK 20 AWG Left Foot Light GND
18-6
0140 BK 20 AWG Left Tail Light GND
18-6
-JS-1085
Right Wheel Speed
TE Connectivity
1-967616-1
0135 GY 22 AWG SPEED SENSOR GND
2
5
4
3
6
1
0127 YE 22 AWG SPEED_SENSOR_PWR_1
0124 GN 22 AWG Rear_Right_Wheel_Speed_Sensor
-JS-1073
sGND 1 BUS
CTJ120E06E-513
TE Connectivity
0135 GY 22 AWG SPEED SENSOR GND
C
B
0134 GY 22 AWG SPEED SENSOR GND
0136 BK 20 AWG Right Tail Light GND
18-6
0139 BK 20 AWG Right Foot Light GND
18-6
-JS-1086
Left Wheel Speed
TE Connectivity
1-967616-1
6
1
4
3
2
5
0134 GY 22 AWG SPEED SENSOR GND
0128 YE 22 AWG SPEED SENSOR PWR_2
0126 YE 22 AWG Rear_Left_Wheel_Speed_Sensor

X ± 03

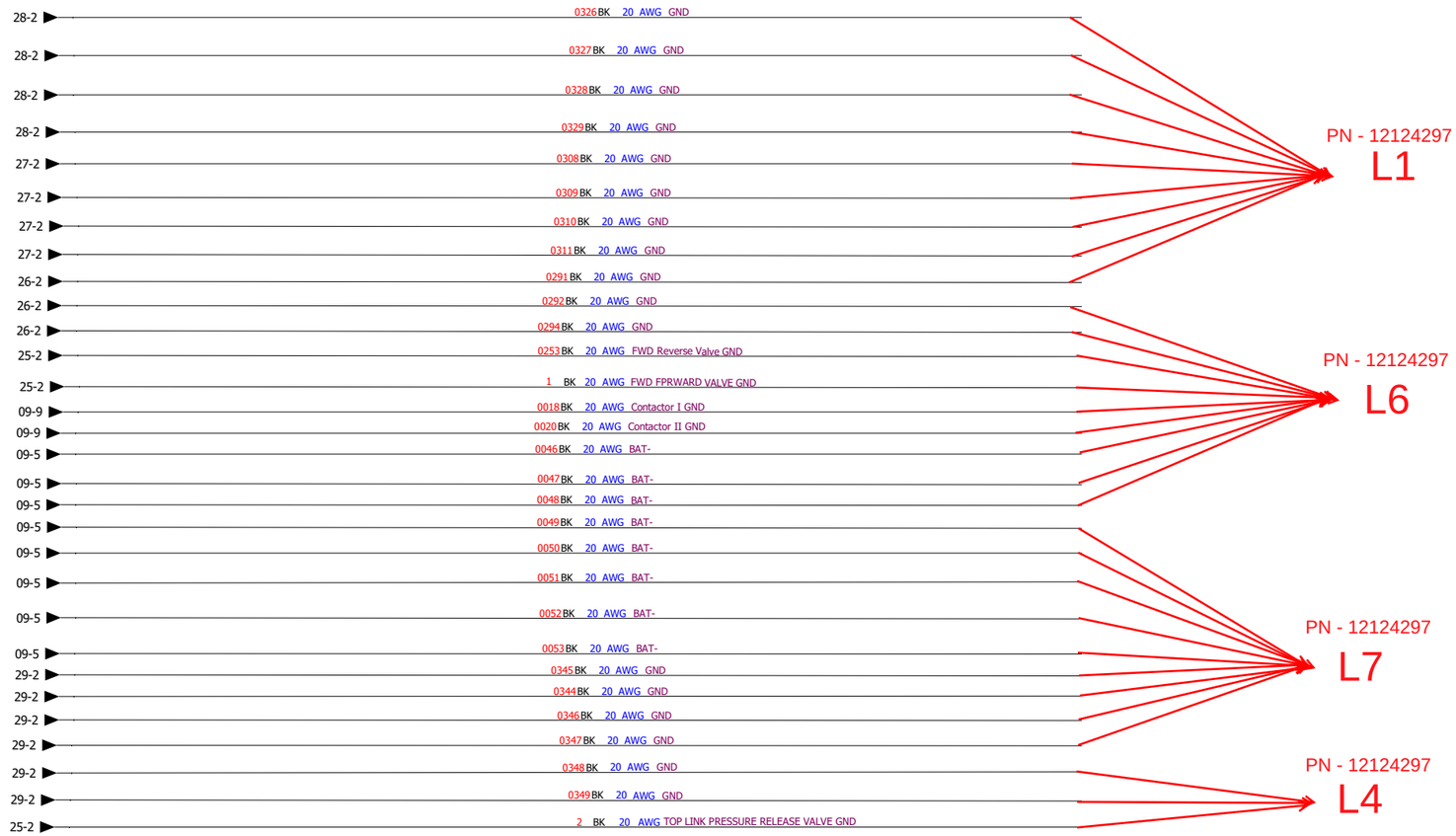
XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 15

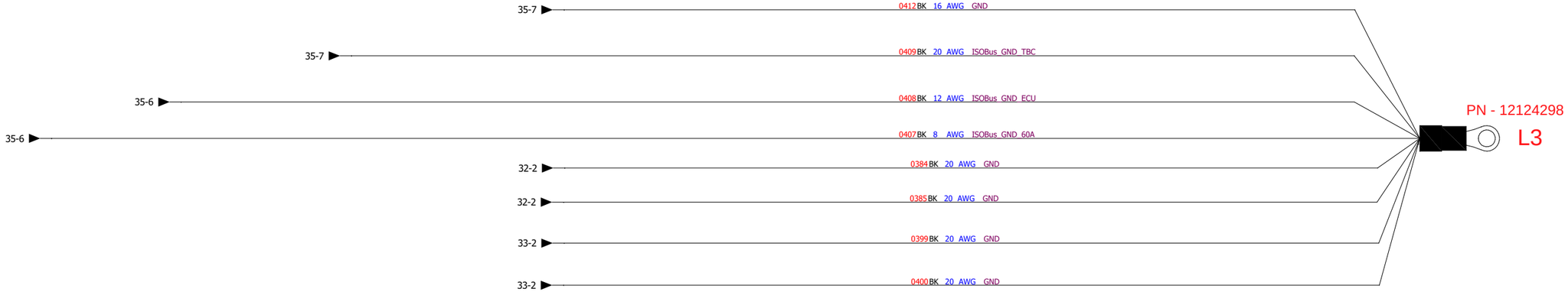


X ± 03		Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com		
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 16	

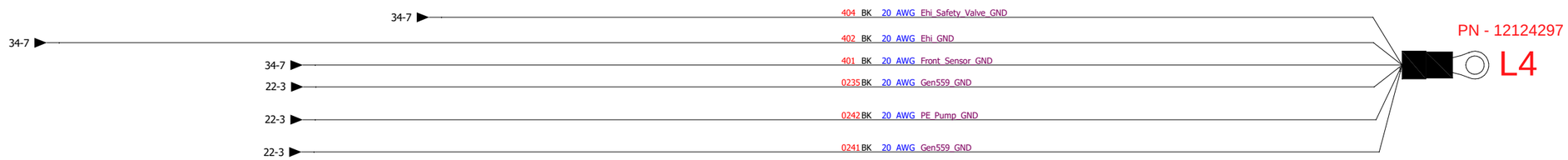

28-2 0326 BK 20 AWG GND
28-2 0327 BK 20 AWG GND
28-2 0328 BK 20 AWG GND
28-2 0329 BK 20 AWG GND
27-2 0308 BK 20 AWG GND
27-2 0309 BK 20 AWG GND
27-2 0310 BK 20 AWG GND
27-2 0311 BK 20 AWG GND
26-2 0291 BK 20 AWG GND
26-2 0292 BK 20 AWG GND
26-2 0294 BK 20 AWG GND
25-2 0253 BK 20 AWG FWD Reverse Valve GND
25-2 1 BK 20 AWG FWD FPRWARD VALVE GND
09-9 0018 BK 20 AWG Contactor I GND
09-9 0020 BK 20 AWG Contactor II GND
09-5 0046 BK 20 AWG BAT-
09-5 0047 BK 20 AWG BAT-
09-5 0048 BK 20 AWG BAT-
09-5 0049 BK 20 AWG BAT-
09-5 0050 BK 20 AWG BAT-
09-5 0051 BK 20 AWG BAT-
09-5 0052 BK 20 AWG BAT-
09-5 0053 BK 20 AWG BAT-
29-2 0345 BK 20 AWG GND
29-2 0344 BK 20 AWG GND
29-2 0346 BK 20 AWG GND
29-2 0347 BK 20 AWG GND
29-2 0348 BK 20 AWG GND
29-2 0349 BK 20 AWG GND
25-2 2 BK 20 AWG TOP LINK PRESSURE RELEASE VALVE GND
PN - 12124297
L1
PN - 12124297
L6
PN - 12124297
L7
PN - 12124297
L4

X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 17

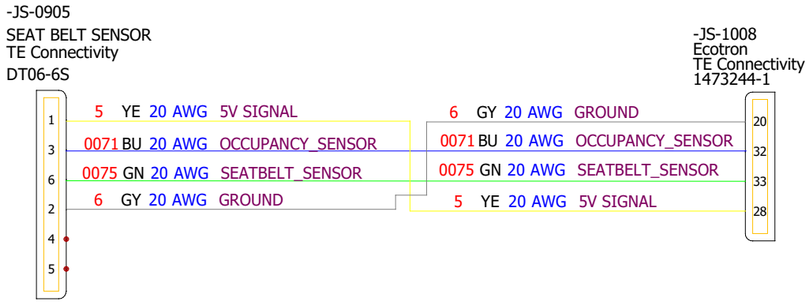
X ± 03		Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com		
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 18



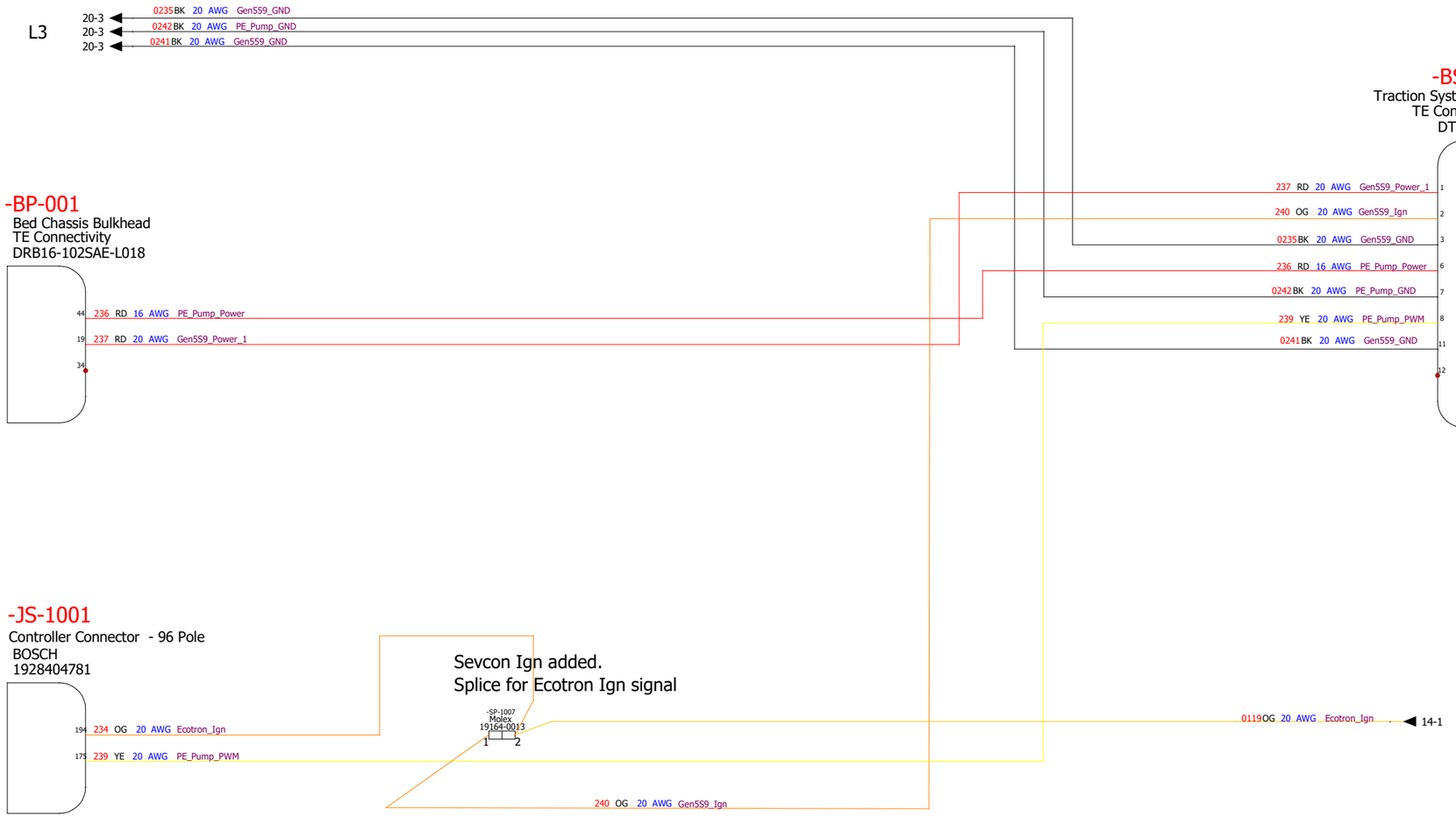
X ± 03		Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com		
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 19



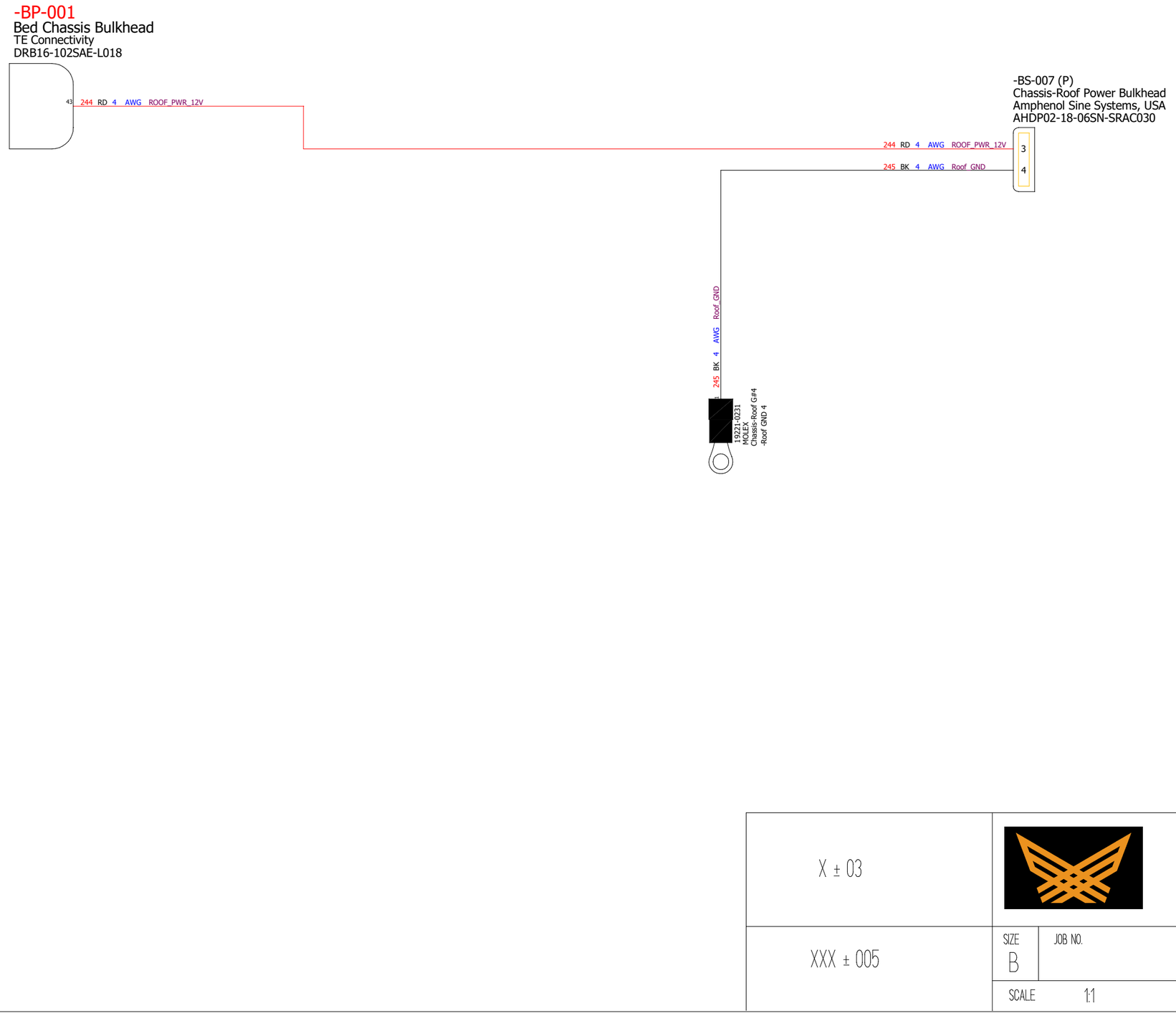
X ± 03			Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com	
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 20



X ± 03			Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com	
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 21

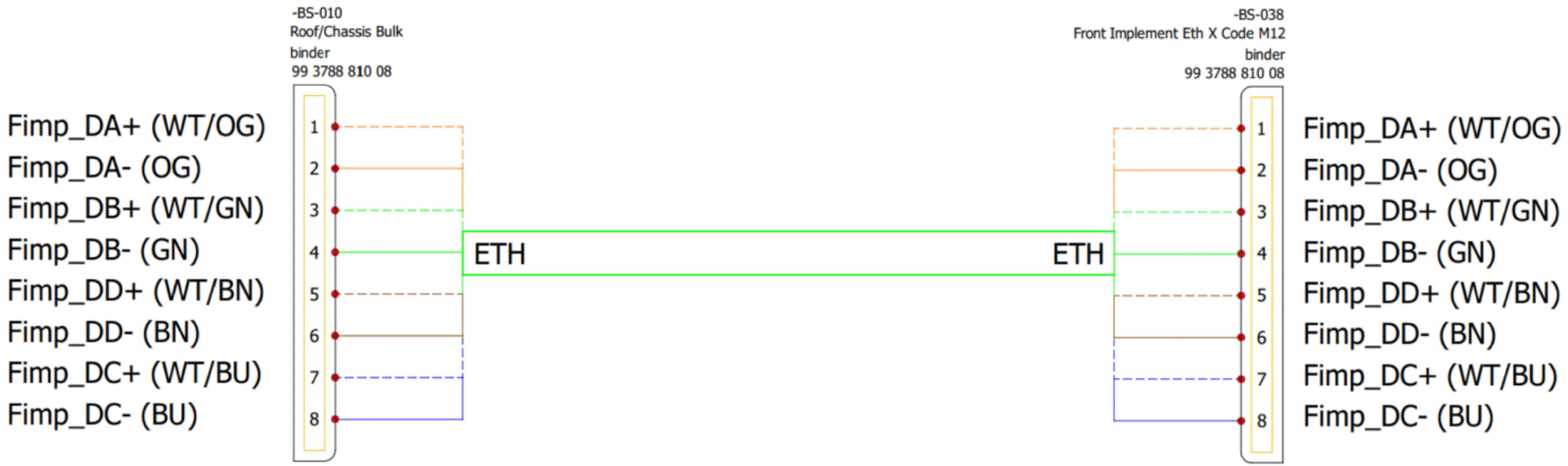


X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 22	

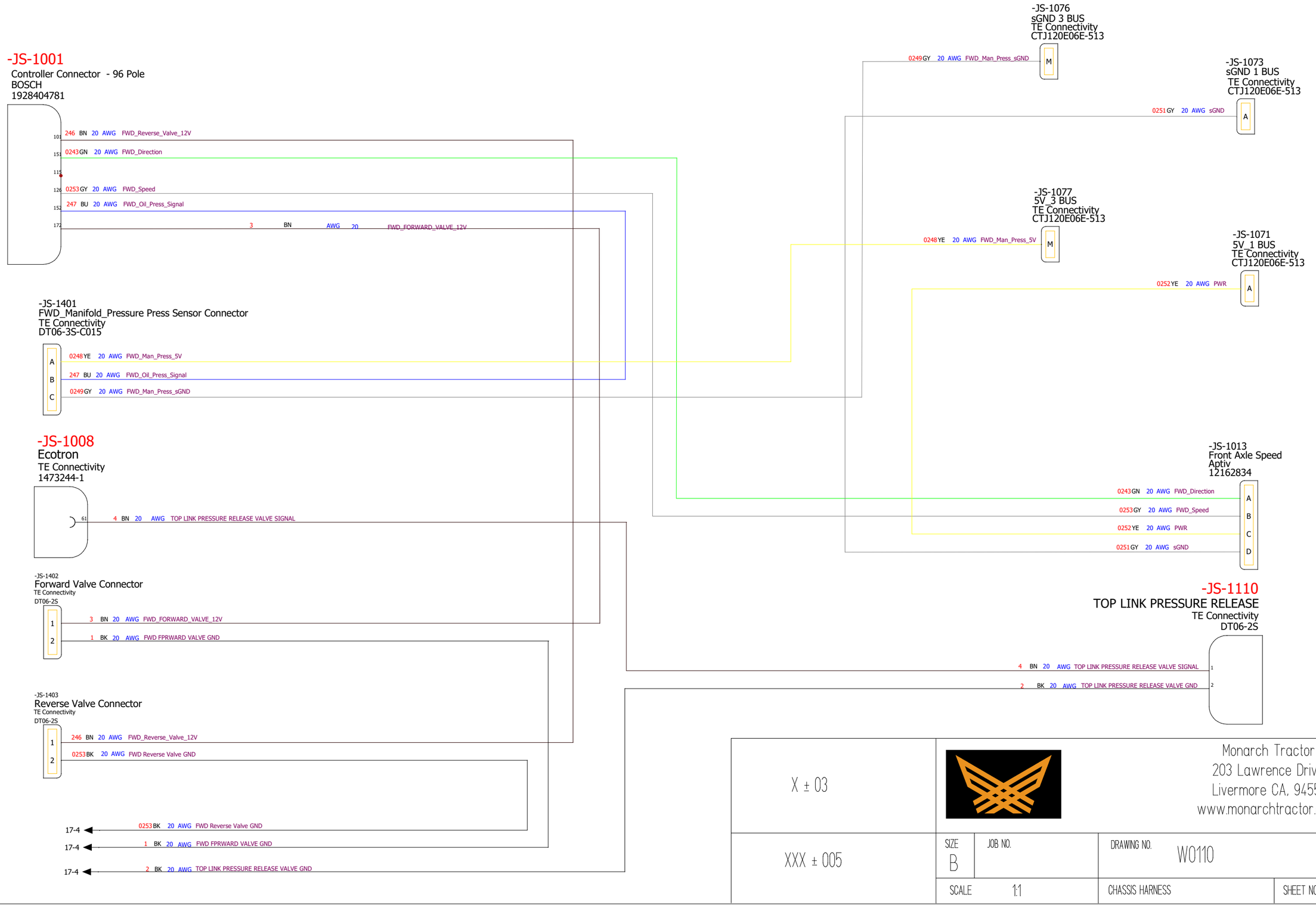


X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 23	

FRONT IMPLEMENT



X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 24

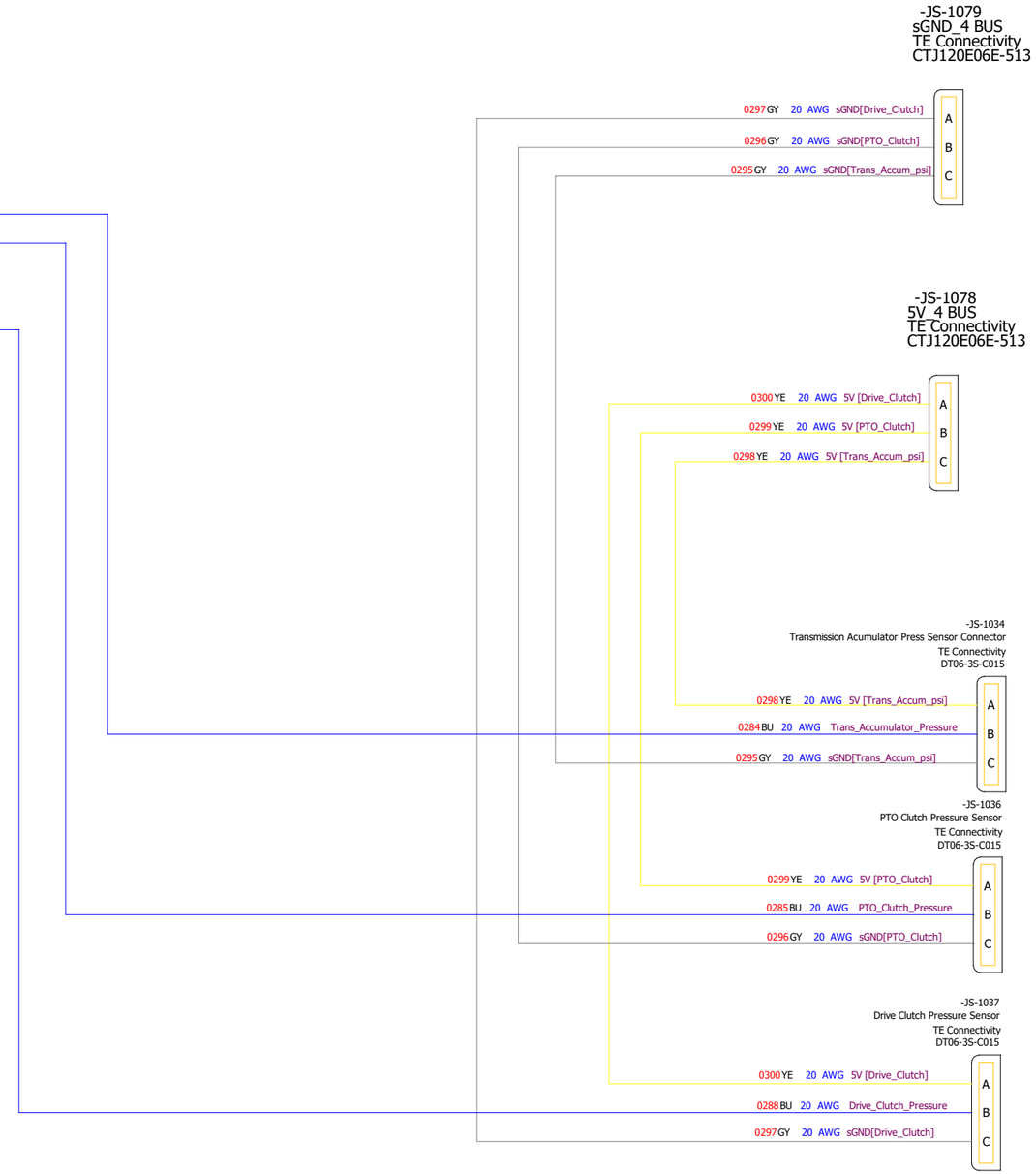


X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 25

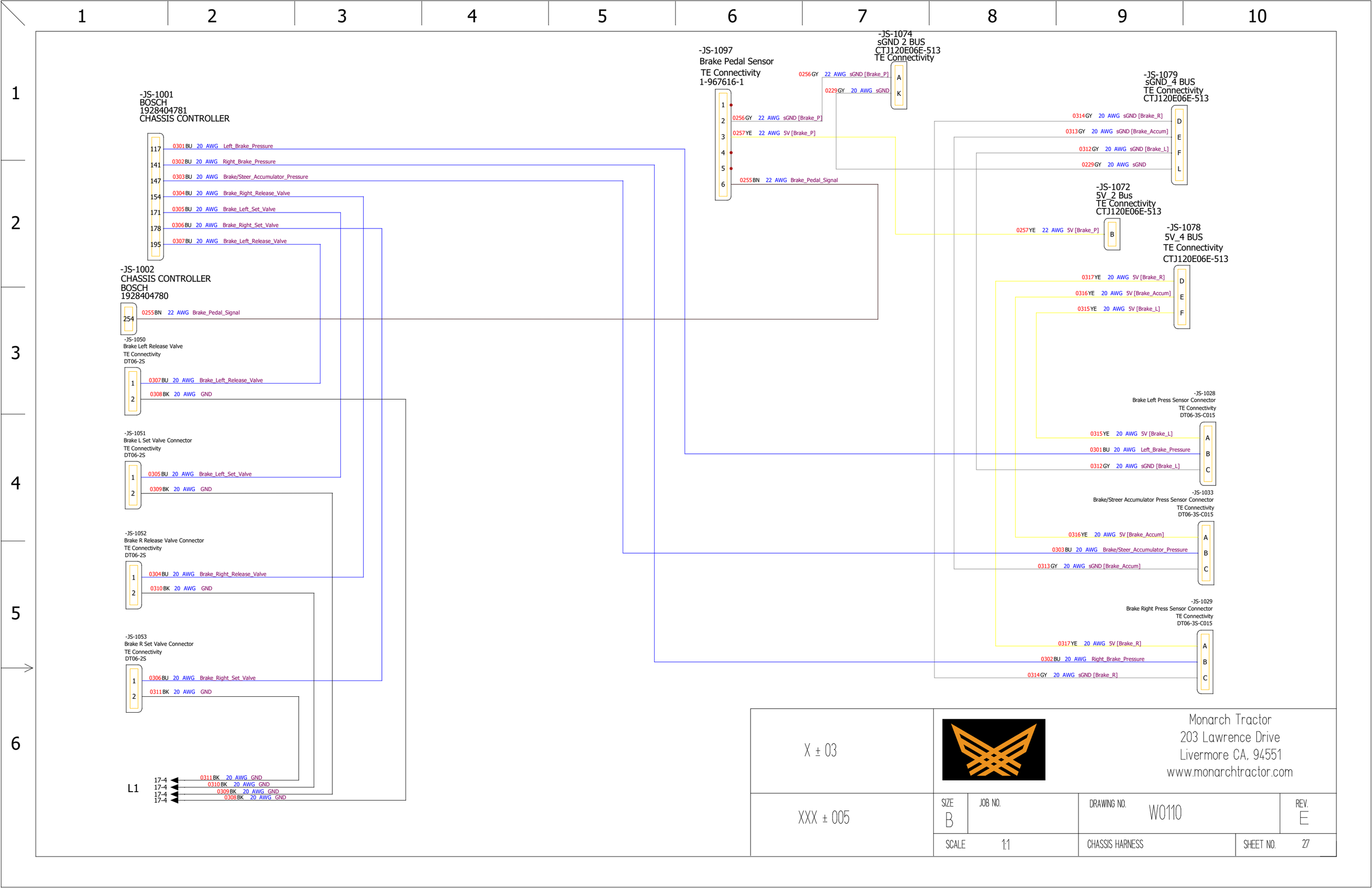


X ± 03

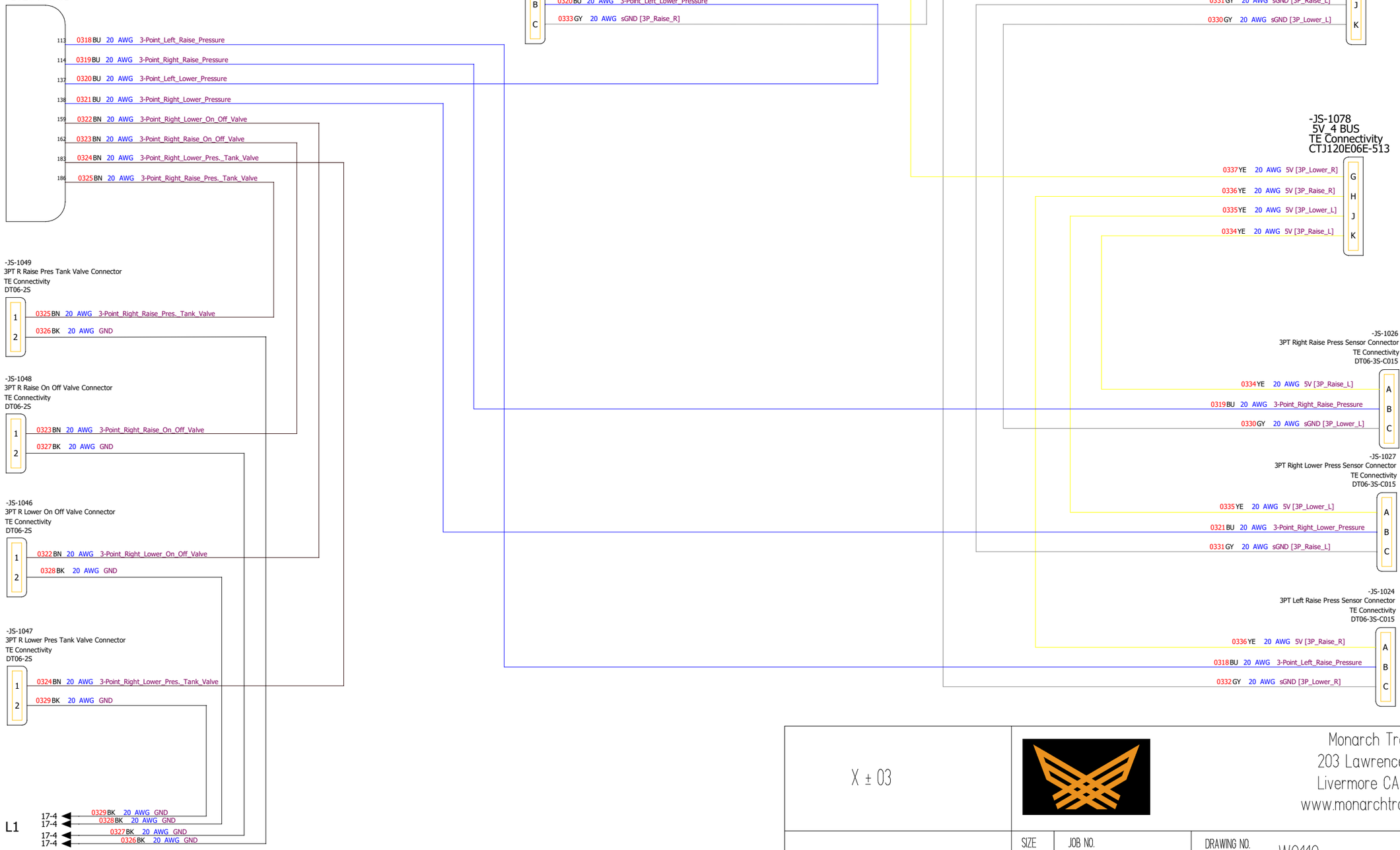
XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

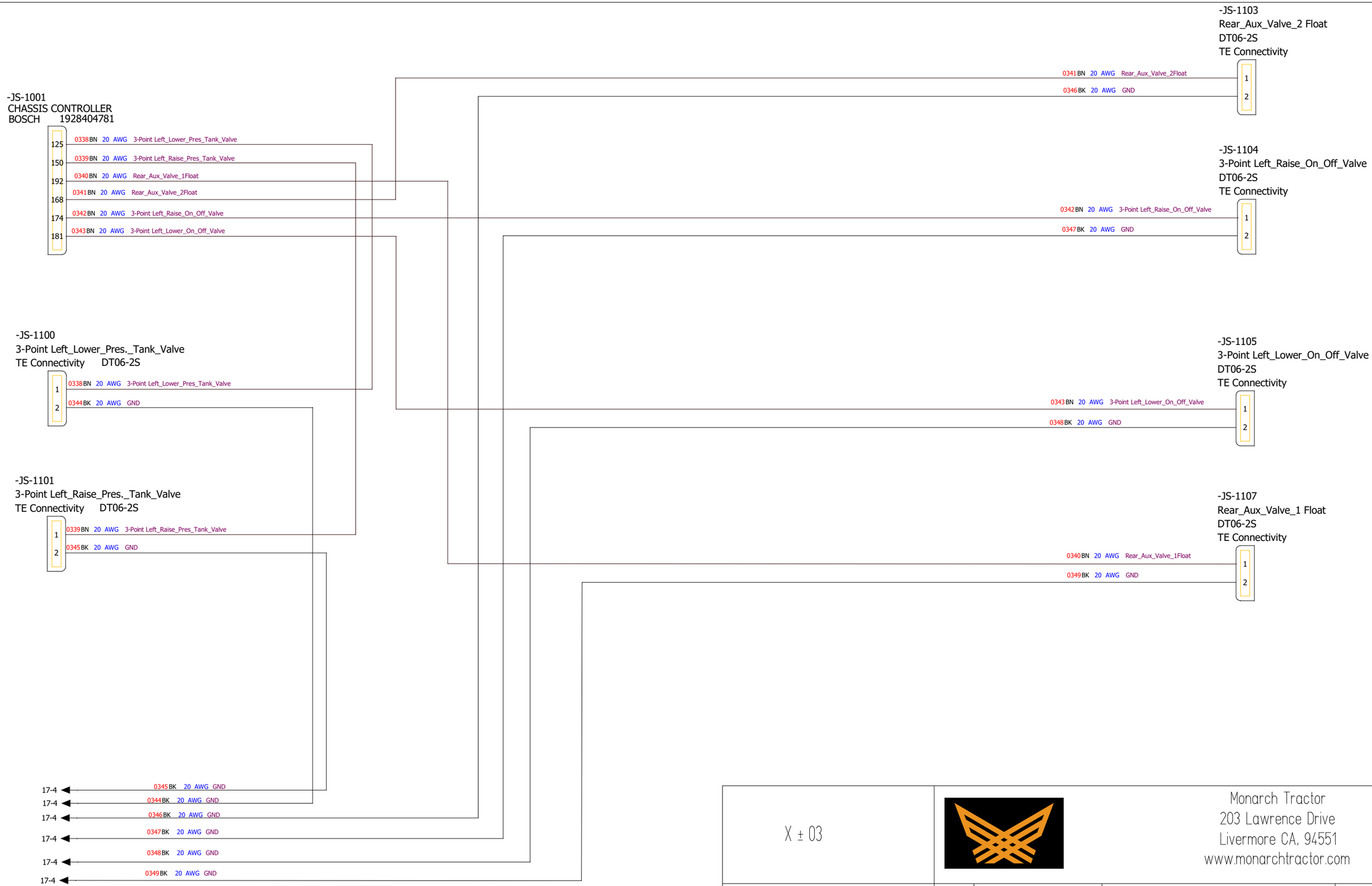
SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 26



X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com		
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110 / REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 27


-JS-1001
Controller Connector - 96 Pole
BOSCH
1928404781
111 0318 BU 20 AWG 3-Point_Left_Raise_Pressure
114 0319 BU 20 AWG 3-Point_Right_Raise_Pressure
137 0320 BU 20 AWG 3-Point_Left_Lower_Pressure
138 0321 BU 20 AWG 3-Point_Right_Lower_Pressure
159 0322 BN 20 AWG 3-Point_Right_Lower_On_Off_Valve
162 0323 BN 20 AWG 3-Point_Right_Raise_On_Off_Valve
183 0324 BN 20 AWG 3-Point_Right_Lower_Pres._Tank_Valve
186 0325 BN 20 AWG 3-Point_Right_Raise_Pres._Tank_Valve
-JS-1049
3PT R Raise Pres Tank Valve Connector
TE Connectivity
DT06-2S
1 0325 BN 20 AWG 3-Point_Right_Raise_Pres._Tank_Valve
2 0326 BK 20 AWG GND
-JS-1048
3PT R Raise On Off Valve Connector
TE Connectivity
DT06-2S
1 0323 BN 20 AWG 3-Point_Right_Raise_On_Off_Valve
2 0327 BK 20 AWG GND
-JS-1046
3PT R Lower On Off Valve Connector
TE Connectivity
DT06-2S
1 0322 BN 20 AWG 3-Point_Right_Lower_On_Off_Valve
2 0328 BK 20 AWG GND
-JS-1047
3PT R Lower Pres Tank Valve Connector
TE Connectivity
DT06-2S
1 0324 BN 20 AWG 3-Point_Right_Lower_Pres._Tank_Valve
2 0329 BK 20 AWG GND
L1
17-4 0329 BK 20 AWG GND
17-4 0328 BK 20 AWG GND
17-4 0327 BK 20 AWG GND
17-4 0326 BK 20 AWG GND
-JS-1025
3PT Left Lower Press Sensor Connector
TE Connectivity
DT06-3S-C015
A 0337 YE 20 AWG 5V [3P_Lower_R]
B 0320 BU 20 AWG 3-Point_Left_Lower_Pressure
C 0333 GY 20 AWG sGND [3P_Raise_R]
-JS-1079
sGND_4 BUS
TE Connectivity
CTJ120E06E-513
0333 GY 20 AWG sGND [3P_Raise_R] G
0332 GY 20 AWG sGND [3P_Lower_R] H
0331 GY 20 AWG sGND [3P_Raise_L] J
0330 GY 20 AWG sGND [3P_Lower_L] K
-JS-1078
5V_4 BUS
TE Connectivity
CTJ120E06E-513
0337 YE 20 AWG 5V [3P_Lower_R] G
0336 YE 20 AWG 5V [3P_Raise_R] H
0335 YE 20 AWG 5V [3P_Lower_L] J
0334 YE 20 AWG 5V [3P_Raise_L] K
-JS-1026
3PT Right Raise Press Sensor Connector
TE Connectivity
DT06-3S-C015
0334 YE 20 AWG 5V [3P_Raise_L] A
0319 BU 20 AWG 3-Point_Right_Raise_Pressure B
0330 GY 20 AWG sGND [3P_Lower_L] C
-JS-1027
3PT Right Lower Press Sensor Connector
TE Connectivity
DT06-3S-C015
0335 YE 20 AWG 5V [3P_Lower_L] A
0321 BU 20 AWG 3-Point_Right_Lower_Pressure B
0331 GY 20 AWG sGND [3P_Raise_L] C
-JS-1024
3PT Left Raise Press Sensor Connector
TE Connectivity
DT06-3S-C015
0336 YE 20 AWG 5V [3P_Raise_R] A
0318 BU 20 AWG 3-Point_Left_Raise_Pressure B
0332 GY 20 AWG sGND [3P_Lower_R] C

X ± 03		Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com		
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 28

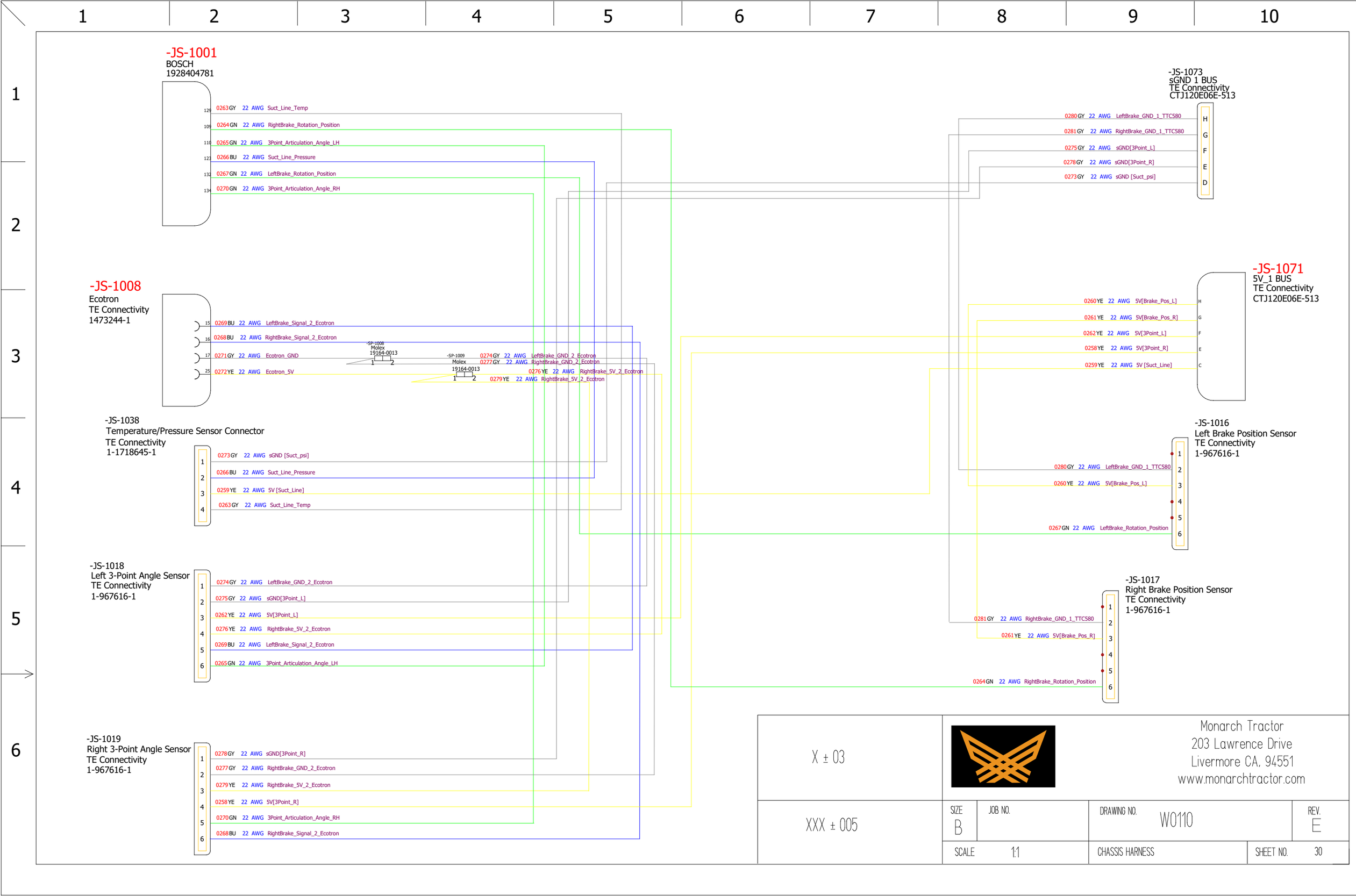


X ± 03

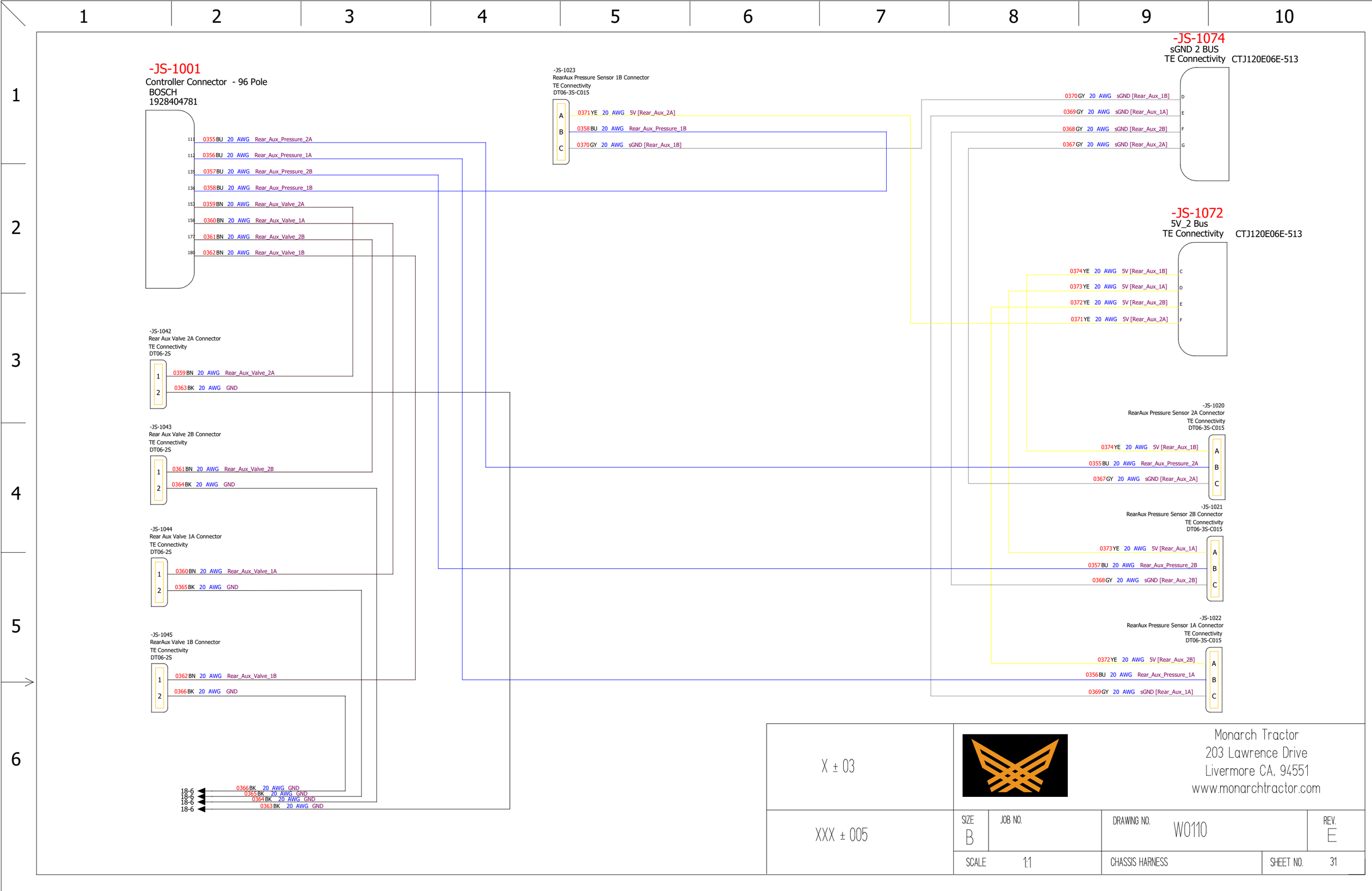
XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

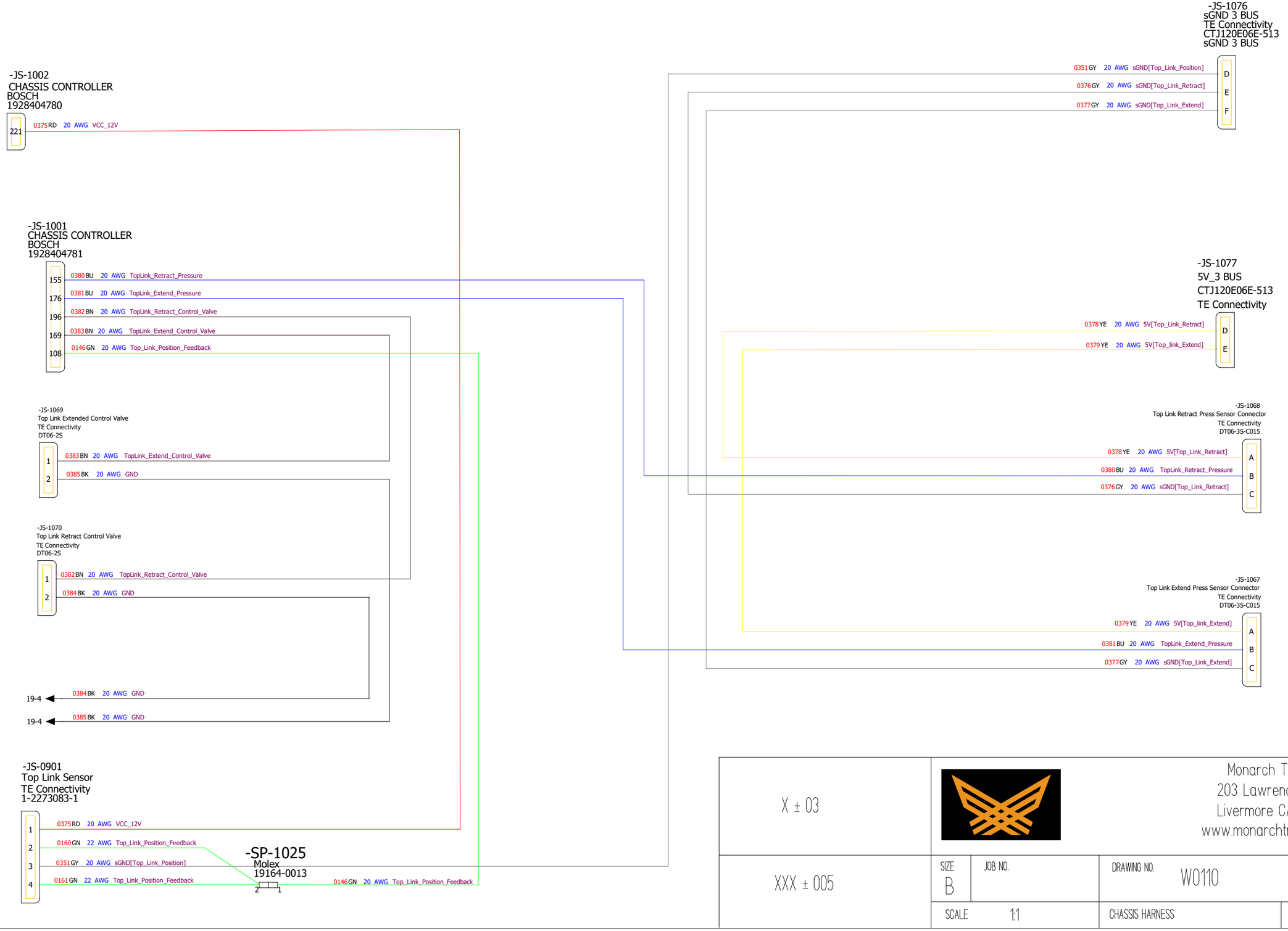
SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 29



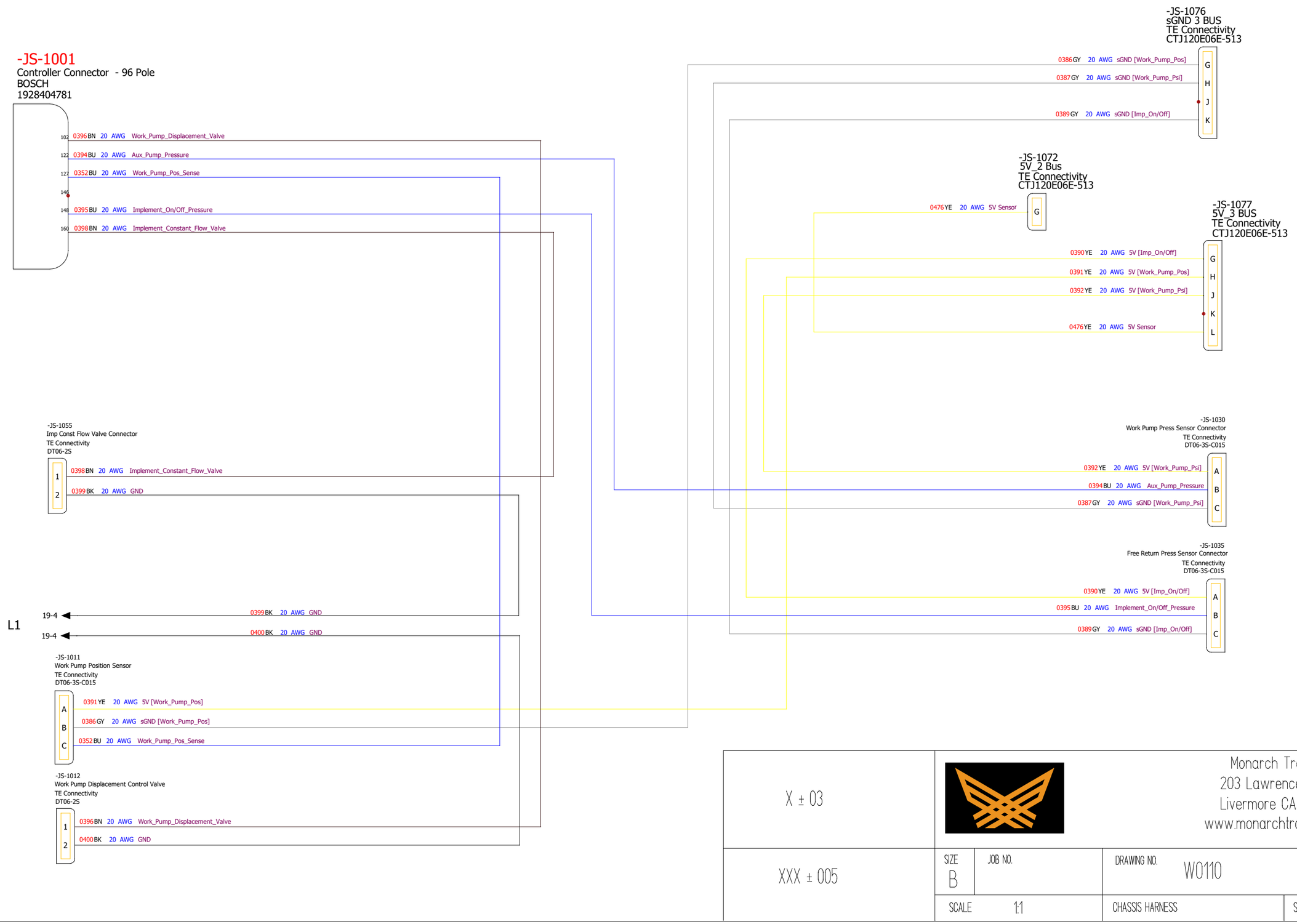
X ± 03		Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com		
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 30


-JS-1001
Controller Connector - 96 Pole
BOSCH
1928404781
111 0355 BU 20 AWG Rear_Aux_Pressure_2A
112 0356 BU 20 AWG Rear_Aux_Pressure_1A
135 0357 BU 20 AWG Rear_Aux_Pressure_2B
136 0358 BU 20 AWG Rear_Aux_Pressure_1B
153 0359 BN 20 AWG Rear_Aux_Valve_2A
156 0360 BN 20 AWG Rear_Aux_Valve_1A
177 0361 BN 20 AWG Rear_Aux_Valve_2B
180 0362 BN 20 AWG Rear_Aux_Valve_1B
-JS-1023
RearAux Pressure Sensor 1B Connector
TE Connectivity
DT06-3S-C015
A 0371 YE 20 AWG 5V [Rear_Aux_2A]
B 0358 BU 20 AWG Rear_Aux_Pressure_1B
C 0370 GY 20 AWG sGND [Rear_Aux_1B]
-JS-1074
sGND 2 BUS
TE Connectivity CTJ120E06E-513
0370 GY 20 AWG sGND [Rear_Aux_1B] D
0369 GY 20 AWG sGND [Rear_Aux_1A] E
0368 GY 20 AWG sGND [Rear_Aux_2B] F
0367 GY 20 AWG sGND [Rear_Aux_2A] G
-JS-1072
5V_2 Bus
TE Connectivity CTJ120E06E-513
0374 YE 20 AWG 5V [Rear_Aux_1B] C
0373 YE 20 AWG 5V [Rear_Aux_1A] D
0372 YE 20 AWG 5V [Rear_Aux_2B] E
0371 YE 20 AWG 5V [Rear_Aux_2A] F
-JS-1042
Rear Aux Valve 2A Connector
TE Connectivity
DT06-2S
1 0359 BN 20 AWG Rear_Aux_Valve_2A
2 0363 BK 20 AWG GND
-JS-1043
Rear Aux Valve 2B Connector
TE Connectivity
DT06-2S
1 0361 BN 20 AWG Rear_Aux_Valve_2B
2 0364 BK 20 AWG GND
-JS-1044
Rear Aux Valve 1A Connector
TE Connectivity
DT06-2S
1 0360 BN 20 AWG Rear_Aux_Valve_1A
2 0365 BK 20 AWG GND
-JS-1045
RearAux Valve 1B Connector
TE Connectivity
DT06-2S
1 0362 BN 20 AWG Rear_Aux_Valve_1B
2 0366 BK 20 AWG GND
-JS-1020
RearAux Pressure Sensor 2A Connector
TE Connectivity
DT06-3S-C015
0374 YE 20 AWG 5V [Rear_Aux_1B] A
0355 BU 20 AWG Rear_Aux_Pressure_2A B
0367 GY 20 AWG sGND [Rear_Aux_2A] C
-JS-1021
RearAux Pressure Sensor 2B Connector
TE Connectivity
DT06-3S-C015
0373 YE 20 AWG 5V [Rear_Aux_1A] A
0357 BU 20 AWG Rear_Aux_Pressure_2B B
0368 GY 20 AWG sGND [Rear_Aux_2B] C
-JS-1022
RearAux Pressure Sensor 1A Connector
TE Connectivity
DT06-3S-C015
0372 YE 20 AWG 5V [Rear_Aux_2B] A
0356 BU 20 AWG Rear_Aux_Pressure_1A B
0369 GY 20 AWG sGND [Rear_Aux_1A] C
18-6 0366 BK 20 AWG GND
18-6 0365 BK 20 AWG GND
18-6 0364 BK 20 AWG GND
18-6 0363 BK 20 AWG GND

X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com		
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110 / REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 31



X ± 03		Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com		
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 32



X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 33

-BP-001
TE Connectivity
DRB16-102SAE-L018

28 410 RD 20 AWG Front_Sensor_PWR
29 411 RD 20 AWG Steering_Valve_PWR

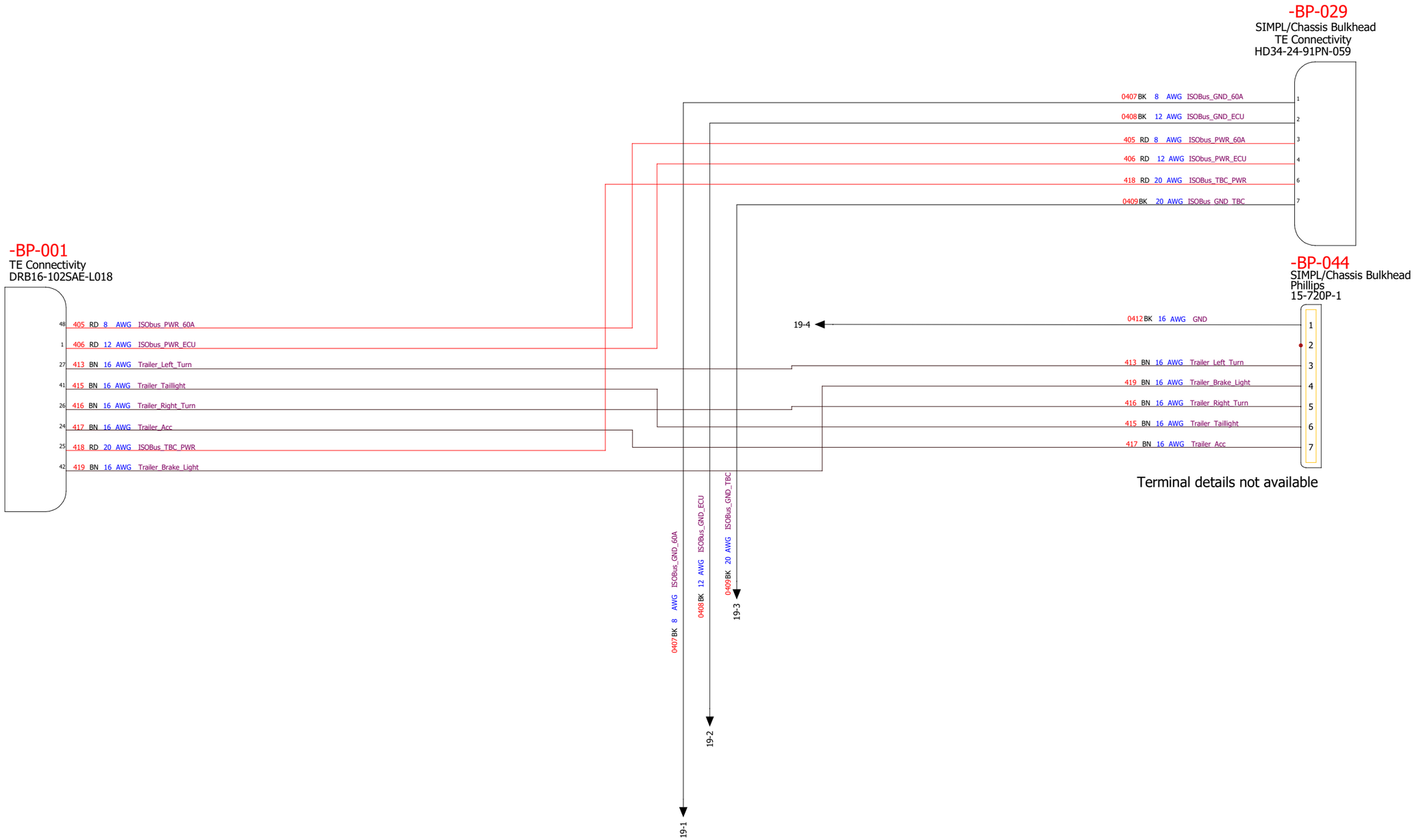
-BS-006
Front Frame/ Chasiss Connector(Inline)
TE Connectivity
HDP26-24-47PE

410 RD 20 AWG Front_Sensor_PWR 1
401 BK 20 AWG Front_Sensor_GND 2
404 BK 20 AWG Ehi_Safety_Valve_GND 9
402 BK 20 AWG Ehi_GND 10
411 RD 20 AWG Steering_Valve_PWR 11

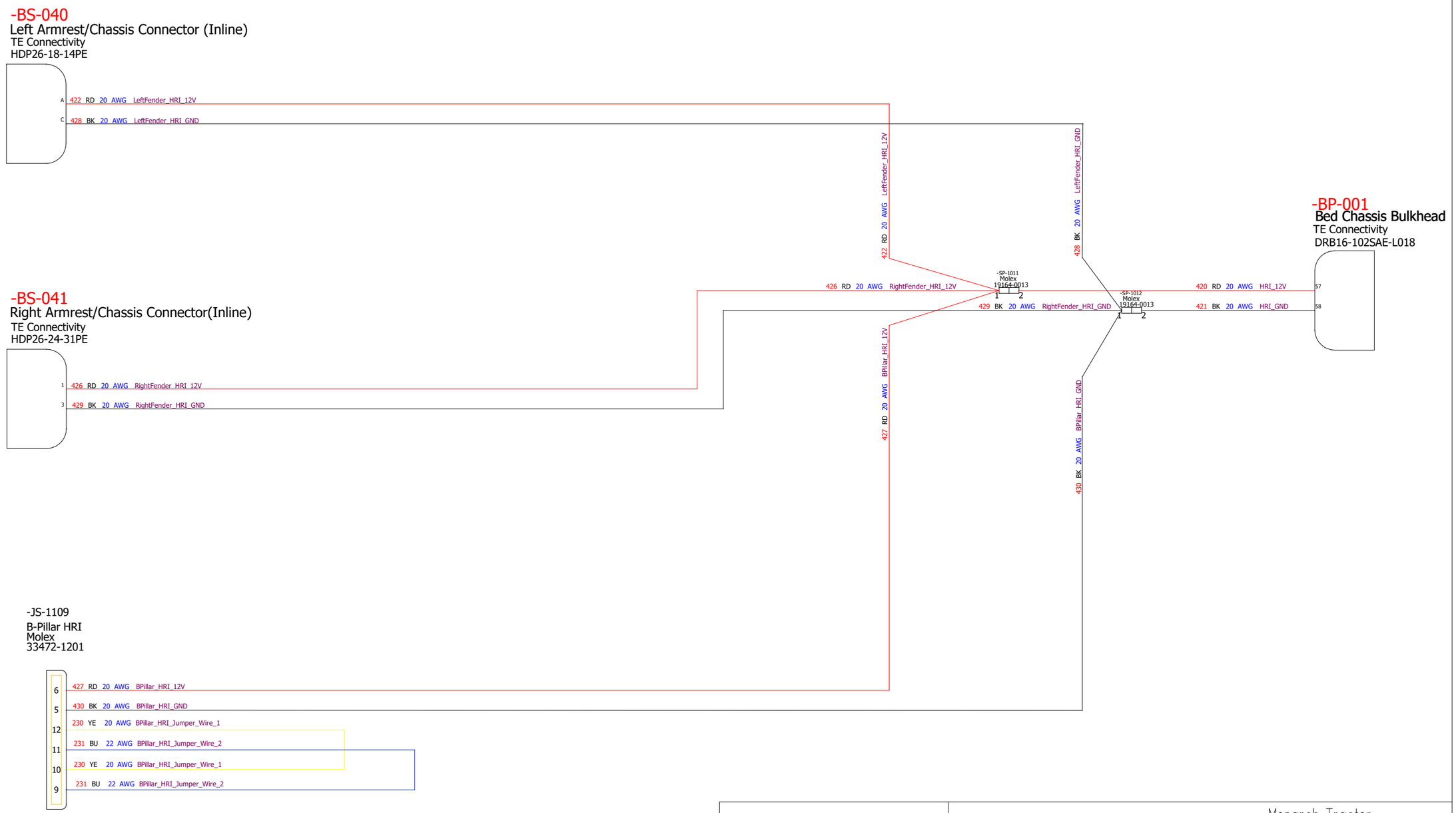
401 BK 20 AWG Front_Sensor_GND
404 BK 20 AWG Ehi_Safety_Valve_GND
402 BK 20 AWG Ehi_GND

20-3
20-4
20-2

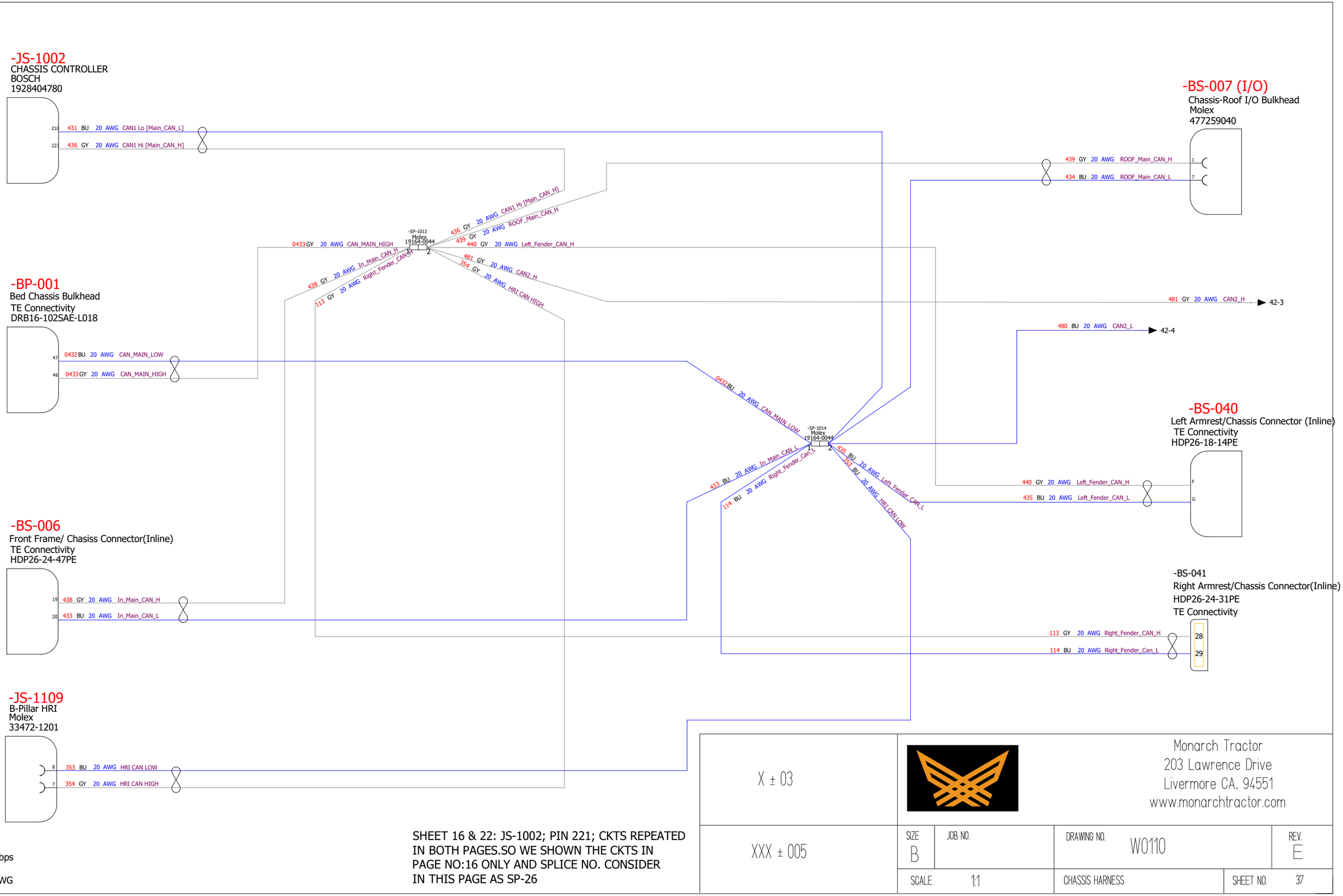
X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 34


-BP-029
SIMPL/Chassis Bulkhead
TE Connectivity
HD34-24-91PN-059
0407 BK 8 AWG ISOBus_GND_60A 1
0408 BK 12 AWG ISOBus_GND_ECU 2
405 RD 8 AWG ISObus_PWR_60A 3
406 RD 12 AWG ISObus_PWR_ECU 4
418 RD 20 AWG ISOBus_TBC_PWR 6
0409 BK 20 AWG ISOBus_GND_TBC 7
-BP-001
TE Connectivity
DRB16-102SAE-L018
48 405 RD 8 AWG ISObus_PWR_60A
1 406 RD 12 AWG ISObus_PWR_ECU
27 413 BN 16 AWG Trailer_Left_Turn
41 415 BN 16 AWG Trailer_Taillight
26 416 BN 16 AWG Trailer_Right_Turn
24 417 BN 16 AWG Trailer_Acc
25 418 RD 20 AWG ISOBus_TBC_PWR
42 419 BN 16 AWG Trailer_Brake_Light
-BP-044
SIMPL/Chassis Bulkhead
Phillips
15-720P-1
19-4
0412 BK 16 AWG GND 1
413 BN 16 AWG Trailer_Left_Turn 3
419 BN 16 AWG Trailer_Brake_Light 4
416 BN 16 AWG Trailer_Right_Turn 5
415 BN 16 AWG Trailer_Taillight 6
417 BN 16 AWG Trailer_Acc 7
Terminal details not available
0407 BK 8 AWG ISOBus_GND_60A
0408 BK 12 AWG ISOBus_GND_ECU
0409 BK 20 AWG ISOBus_GND_TBC
19-3
19-2
19-1

X ± 03		Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com		
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 35



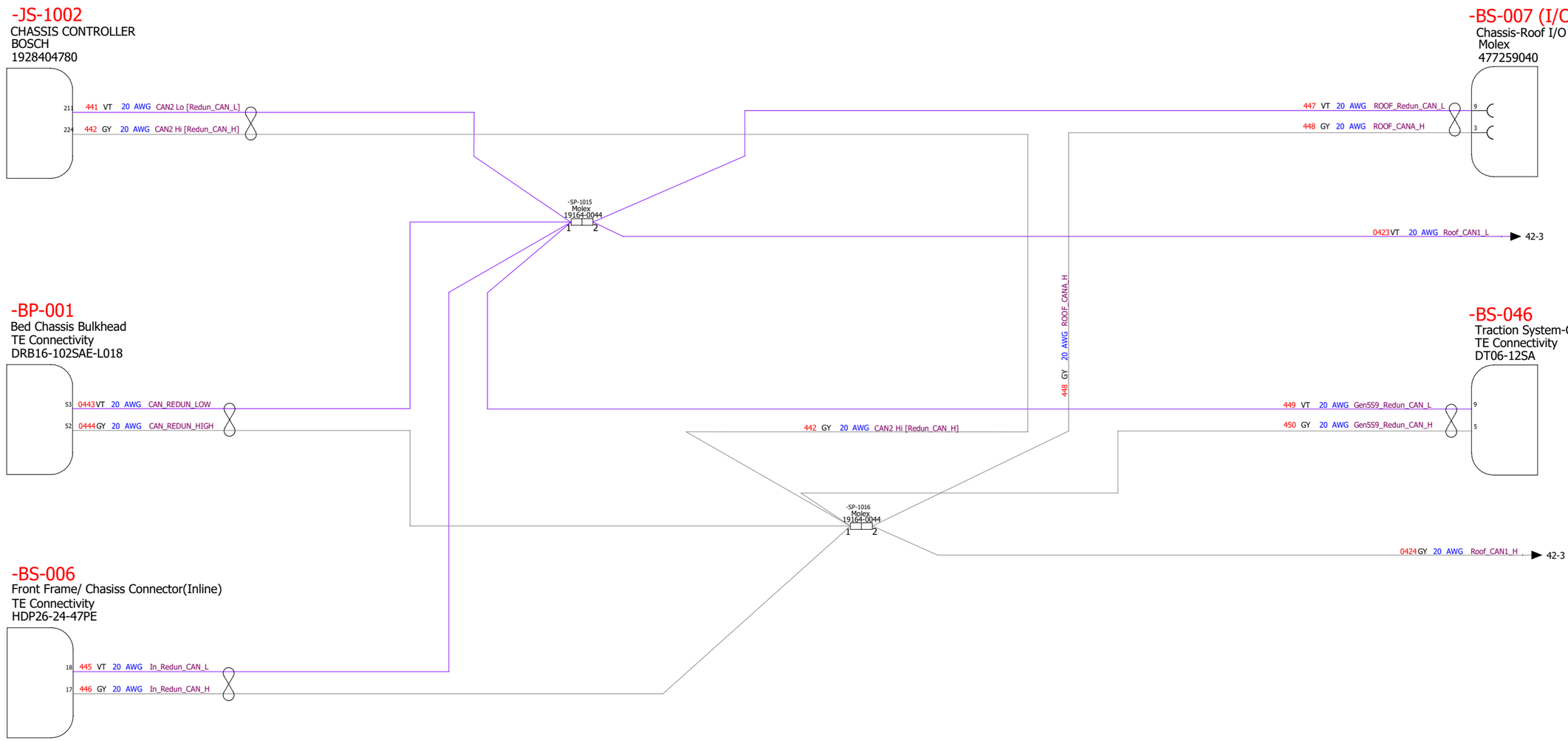
X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 36	



NOTES:
1. Baud 250 kbps
2. 1 TPI
3. TXL – 20 AWG

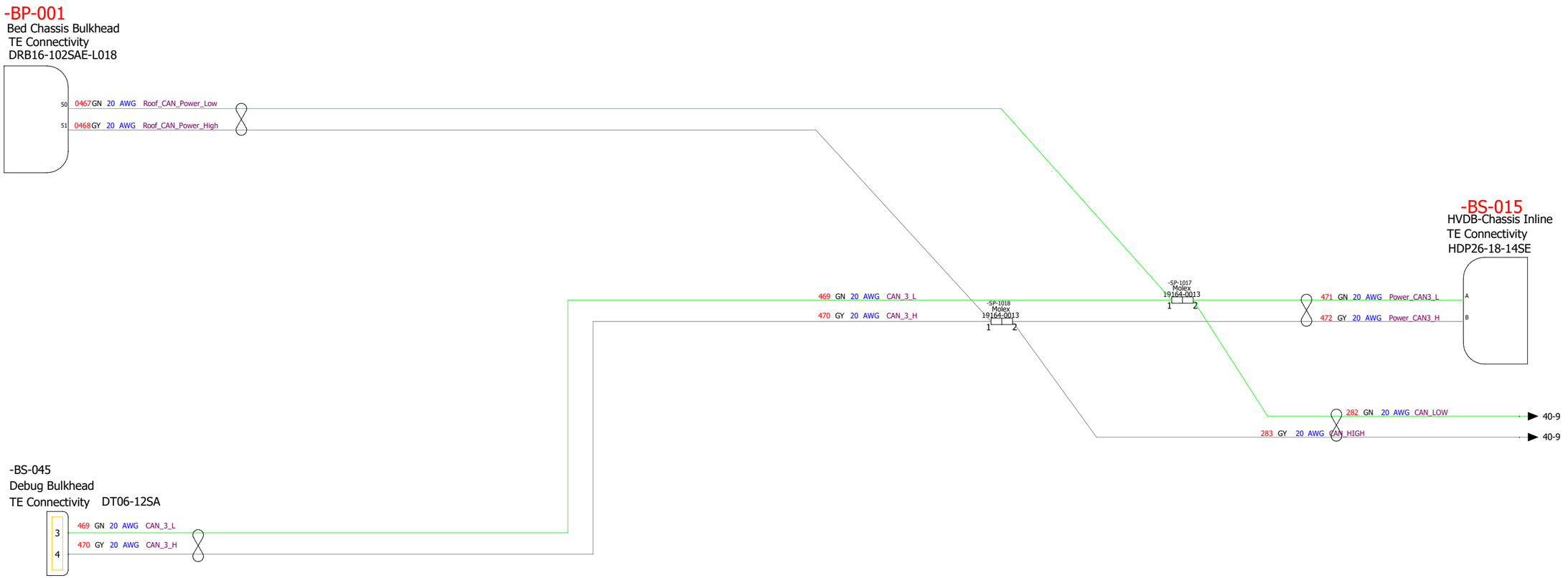
SHEET 16 & 22: JS-1002; PIN 221; CKTS REPEATED IN BOTH PAGES.SO WE SHOWN THE CKTS IN PAGE NO:16 ONLY AND SPLICE NO. CONSIDER IN THIS PAGE AS SP-26

X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 37	



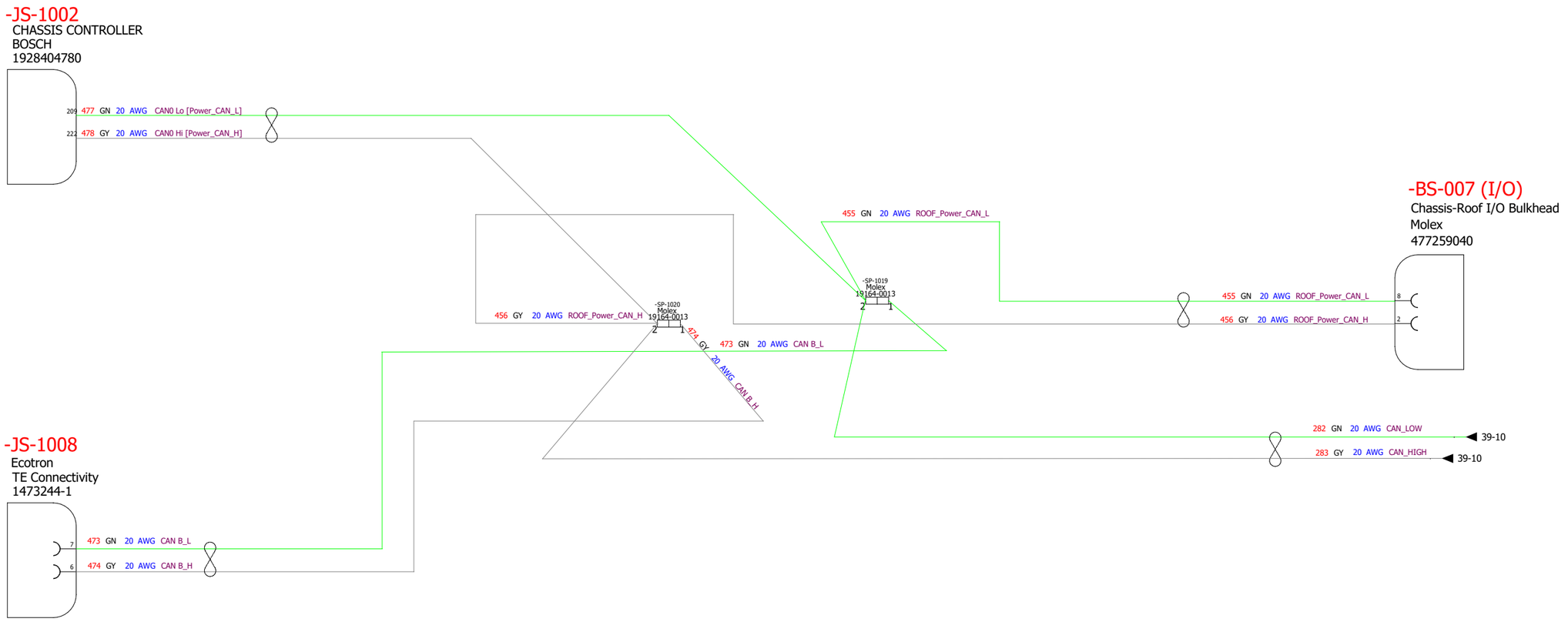
NOTES:
1. Baud 250 kbps
2. 1 TPI
3. TXL – 20 AWG

X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 38	



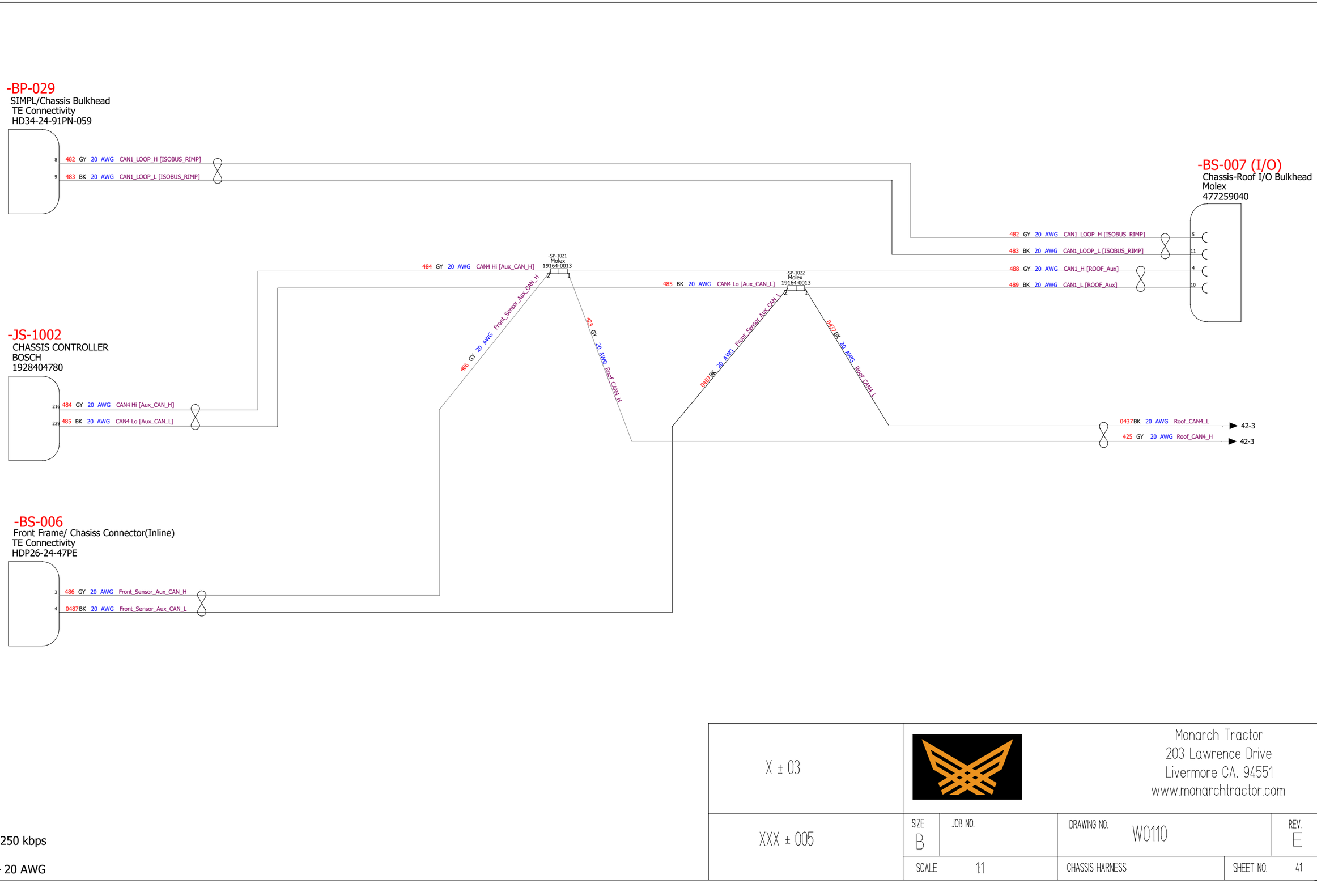
NOTES:
1. Baud 500 kbps
2. 1 TPI
3. TXL – 20 AWG
4. Page 1 of 2

X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 39	



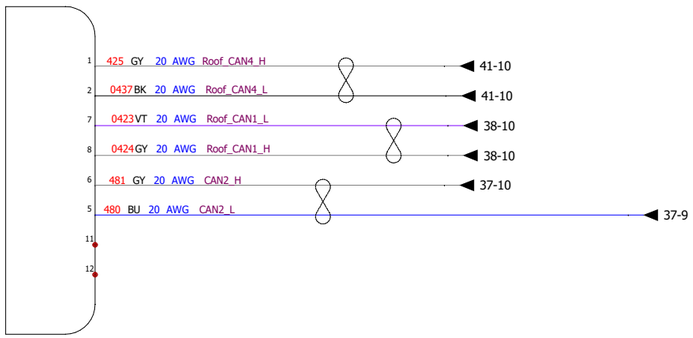
NOTES:
1. Baud 500 kbps
2. 1 TPI
3. TXL – 20 AWG
4. Page 2 of 2

X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1	CHASSIS HARNESS	SHEET NO. 40	



NOTES:
1. Baud 250 kbps
2. 1 TPI
3. TXL – 20 AWG

X ± 03	Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com			
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 41



X ± 03			Monarch Tractor 203 Lawrence Drive Livermore CA, 94551 www.monarchtractor.com	
XXX ± 005	SIZE B	JOB NO.	DRAWING NO. W0110	REV. E
	SCALE 1:1		CHASSIS HARNESS	SHEET NO. 42

CIRCUIT NBR	WIRE SIZE	COLOR	EST WIRE LENGTH	NEW POSITION
0291	0.5	BLK	1147	L1
0308	0.5	BLK	2283	L1
0309	0.5	BLK	2366	L1
0310	0.5	BLK	1122	L1
0326	0.5	BLK	2206	L1
0327	0.5	BLK	2244	L1
0328	0.5	BLK	1784	L1
0329	0.5	BLK	2180	L1
0311	0.5	BLK	1152	L1
0030	0.5	BLK	1514	L2
0120	2	BLK	1823	L2
0122	2	BLK	1823	L2
0153	0.5	BLK	3926	L2
0154	0.5	BLK	3926	L2
0363	0.5	BLK	1875	L2
0364	0.5	BLK	1781	L2
0365	0.5	BLK	1750	L2
2	0.5	BLK	**2309**	L4
0348	0.5	BLK	**1750**	L4
0349	0.5	BLK	**1855**	L4
401	0.5	BLK	1133	L4
402	0.5	BLK	1133	L4
404	0.5	BLK	1133	L4
0235	0.5	BLK	896	L4
0241	0.5	BLK	896	L4
0242	0.5	BLK	896	L4
0121	1	BLK	1844	L5
0123	1	BLK	1844	L5
0125	1	BLK	1844	L5
0136	0.5	BLK	1969	L5
0137	0.5	BLK	1514	L5
0139	0.5	BLK	1969	L5
0140	0.5	BLK	1514	L5
0366	0.5	BLK	1811	L5
1	0.5	BLK	3508	L6
0018	0.5	BLK	3139	L6
0020	0.5	BLK	3139	L6
0046	0.5	BLK	1771	L6
0047	0.5	BLK	1771	L6
0048	0.5	BLK	1771	L6
0253	0.5	BLK	3497	L6
0292	0.5	BLK	2321	L6
0294	0.5	BLK	2232	L6
0049	0.5	BLK	1771	L7
0050	0.5	BLK	1771	L7
0051	0.5	BLK	1771	L7
0052	0.5	BLK	1771	L7
0053	0.5	BLK	1771	L7
0344	0.5	BLK	2236	L7
0345	0.5	BLK	2266	L7
0346	0.5	BLK	1698	L7
0347	0.5	BLK	2099	L7

ITEM	TERMINAL PN
L1	12124297
L2	12124297
L3	12129598
L4	12124297
L5	12124297
L6	12124297
L7	12124297

Lug 3 - 5AWG
ISO-60A_GND - 8 AWG
ISO-25A_GND - 12 AWG
Trailer_GND -16 AWG
ISO-TBC_GND -20 AWG
TopLink_Extend_Control_Valve -20 AWG
Aux_Pump_Displacement_Valve -20 AWG
Implement_Constant_Flow_Valve -20 AWG
TopLink_Retract_Control_Valve -20 AWG

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 43

-BP-001

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
12	0115	=F10+L10-JS-1009:116	0462-201-16141			14-2-5
2	31	=F10+L10-JS-1002:201	0462-203-12141			09-9-2
3	32	=F10+L10-JS-1002:202	0462-203-12141			09-9-2
4	33	=F10+L10-JS-1002:203	0462-203-12141			09-9-2
5	34	=F10+L10-JS-1002:204	0462-203-12141			09-9-2
6	35	=F10+L10-JS-1002:205	0462-203-12141			09-9-2
7	36	=F10+L10-JS-1002:206	0462-203-12141			09-9-2
13	0116	=F10+L10-JS-1009:121	0462-201-16141			14-2-5
14	0117	=F10+L10-JS-1008:1	0462-201-16141			14-2-5
15	0118	=F10+L10-JS-1008:3	0462-201-16141			14-2-5
32	0060	=F10+L10-SP-1001:1	0462-201-16141			11-2-1
21	42	=F10+L10-SP-1003:2	0462-201-16141			09-9-2
30	0061	=F10+L10-JS-1075:F	0462-201-16141			11-2-1
35	0029	=F10+L10-BS-040:H	0462-201-16141			12-2-5
10	0033	=F10+L10-JS-1001:130	0462-201-16141			08-3-4
16	43	=F10+L10-SP-1005:2	0462-201-16141			09-9-2
17					114017-zz	09-9-2
18	41	=F10+L10-JS-1001:170	0462-201-16141			09-9-2
9	0034	=F10+L10-JS-1001:106	0462-201-16141			08-3-4
28	410	=F10+L10-BS-006:1	0462-201-16141			34-2-2
44	236	=F10+L10-BS-046:6	0462-201-16141			22-3-2
22	0039	=F10+L10-SP-1023:1	0462-209-16141			09-9-2
23	0016	=F10+L10-BS-015:E	0462-209-16141			09-9-2
19	237	=F10+L10-BS-046:1	0462-201-16141			22-3-2
34					114017-zz	22-3-2
43	244	=F10+L10-BS-007 (P):3	5962-203-04141			23-2-1
39	0031	=F10+L10-JS-1071:B	0462-201-16141			08-3-4
40	0032	=F10+L10-JS-1071:M	0462-201-16141			08-3-4
29	411	=F10+L10-BS-006:11	0462-201-16141			34-2-2
48	405	=F10+L10-BP-029:3	0462-203-08141			35-3-2
31	0054	=F10+L10-BS-041:11	0462-201-16141			10-3-1
27	413	=F10+L10-BP-044:3	0462-201-16141			35-3-2
1	406	=F10+L10-BP-029:4	0462-203-12141			35-3-2
41	415	=F10+L10-BP-044:6	0462-201-16141			35-3-2
26	416	=F10+L10-BP-044:5	0462-201-16141			35-3-2
24	417	=F10+L10-BP-044:7	0462-201-16141			35-3-2
25	418	=F10+L10-BP-029:6	0462-201-16141			35-3-2
42	419	=F10+L10-BP-044:4	0462-201-16141			35-3-2
57	420	=F10+L10-SP-1011:2	0462-201-16141			36-10-2
58	421	=F10+L10-SP-1012:2	0462-201-16141			36-10-2
47	0432	=F10+L10-SP-1014:1	0462-201-16141			37-2-3
46	0433	=F10+L10-SP-1013:1	0462-201-16141			37-2-3
50	0467	=F10+L10-SP-1017:1	0462-201-16141			39-2-1
51	0468	=F10+L10-SP-1018:1	0462-201-16141			39-2-1
53	0443	=F10+L10-SP-1015:1	0462-201-16141			38-2-3
52	0444	=F10+L10-SP-1016:1	0462-201-16141			38-2-3
45					114017-zz	
8					114017-zz	

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
49					114018-zz	
11					114017-zz	
20					114017-zz	
33					114017-zz	
36					114017-zz	
54					114018-zz	
55					114018-zz	
56					114017-zz	
37					114017-zz	
38					114017-zz	
59					114017-zz	
60					114019-zz	
61					114017-zz	
62					114017-zz	
63					114017-zz	
64					114017-zz	
65					114017-zz	
66					114017-zz	
67					114017-zz	
68					114017-zz	
69					114017-zz	
70					114017-zz	
71					114017-zz	
72					114017-zz	
73					114017-zz	
74					114017-zz	
75					114017-zz	
76					114017-zz	
77					114017-zz	
78					114017-zz	
79					114017-zz	
80					114017-zz	
81					114017-zz	
82					114017-zz	
83					114017-zz	
84					114017-zz	
85					114017-zz	
86					114017-zz	
87					114017-zz	
88					114017-zz	
89					114017-zz	

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 44

-BP-001

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
90					114017-zz	
91					114017-zz	
92					114017-zz	
93					114017-zz	
94					114017-zz	
95					114017-zz	
96					114017-zz	
97					114017-zz	
98					114017-zz	
99					114017-zz	
100					114017-zz	
101					114017-zz	
102					114017-zz	

-BP-029

SIMPL/Chassis Bulkhead

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0407	=F10+L10-L3 :1	0460-204-08141			35-10-1
2	0408	=F10+L10-L3 :1	0460-204-12141			35-10-1
3	405	=F10+L10-BP-001:48	0460-204-08141			35-10-1
4	406	=F10+L10-BP-001:1	0460-204-12141			35-10-1
5					114017-ZZ	
6	418	=F10+L10-BP-001:25	0460-202-16141			35-10-1
7	0409	=F10+L10-L3 :1	0460-202-16141			35-10-1
8	482	=F10+L10-BS-007 (I/O):5	0460-202-16141			41-2-1
9	483	=F10+L10-BS-007 (I/O):11	0460-202-16141			41-2-1

-SP-1012

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	428; 429; 430	=F10+L10-BS-040:C; =F10+L10-BS-041:3; =F10+L10-JS-1109:5			36-9-2
2	421	=F10+L10-BP-001:58			

-SP-1013

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0433; 438; 113	=F10+L10-BP-001:46; =F10+L10-BS-006:19; =F10+L10-BS-041:28			37-4-2
2	439; 440; 481; 436; 434	=F10+L10-BS-007 (I/O):1; =F10+L10-BS-040:F; =F10+L10-BS-045:6; =F10+L10-JS-1002:223; =F10+L10-JS-1109:7			

-JS-1086

Left Wheel Speed

Left Wheel Speed

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
5	0126	=F10+L10-JS-1008:12	5-962885-1	967067-1		15-10-4
2					967056-1	15-10-4
3					967056-1	15-10-4
4	0128	=F10+L10-JS-1008:48	5-962885-1	967067-1		15-10-4
1	0134	=F10+L10-JS-1073:B	5-962885-1	967067-1		15-10-4
6					967056-1	15-10-4

-JS-1085

Right Wheel Speed

Right Wheel Speed

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1					967056-1	15-10-1
6	0124	=F10+L10-JS-1008:11	5-962885-1	967067-1		15-10-1
3	0127	=F10+L10-JS-1008:27	5-962885-1	967067-1		15-10-1
4					967056-1	15-10-1
5					967056-1	15-10-1
2	0135	=F10+L10-JS-1073:C	5-962885-1	967067-1		15-10-1

-BP-044

SIMPL/Chassis Bulkhead

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0412	=F10+L10-L3 :1	3200043			35-10-2
2						35-10-2
3	413	=F10+L10-BP-001:27	3200043			35-10-2
4	419	=F10+L10-BP-001:42	3200043			35-10-2
5	416	=F10+L10-BP-001:26	3200043			35-10-2
6	415	=F10+L10-BP-001:41	3200043			35-10-2
7	417	=F10+L10-BP-001:24	3200043			35-10-2

-BS-007 (P)

Chassis-Roof Power Bulkhead

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CAVITY PLUG	CROSS-REF
3	244	=F10+L10-BP-001:43	AT62-203-04141-4			23-8-2
4	245	=F10+L10-Roof GND 4:1	AT62-203-04141-4			23-8-2

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E

SCALE	1:1	CHASSIS HARNESS	SHEET NO.	45

-JS-1001

CHASSIS CONTROLLER

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
101	246	=F10+L10-JS-1403:1	1928498679			25-2-1
102	0396	=F10+L10-JS-1012:1	1928498679			33-2-1
179	0090	=F10+L10-BS-041:15	1928498679			13-10-3
158	0091	=F10+L10-BS-041:16	1928498679			13-10-3
103	0077	=F10+L10-BS-041:4	1928498679			13-10-3
131	0074	=F10+L10-JS-1015:3	1928498679			12-2-1
106	0034	=F10+L10-BP-001:9	1928498679			08-3-5
130	0033	=F10+L10-BP-001:10	1928498679			08-3-5
109	0264	=F10+L10-JS-1017:6	1928498679			30-2-1
110	0265	=F10+L10-JS-1018:6	1928498679			30-2-1
111	0355	=F10+L10-JS-1020:B	1928498679			31-2-1
112	0356	=F10+L10-JS-1022:B	1928498679			31-2-1
113	0318	=F10+L10-JS-1024:B	1928498679			28-2-1
114	0319	=F10+L10-JS-1026:B	1928498679			28-2-1
115						25-2-1
164	0092	=F10+L10-BS-041:17	1928498679			13-10-3
117	0301	=F10+L10-JS-1028:B	1928498679			27-2-1
118	0046	=F10+L10-L1:1	1928498679			09-2-5
119	0047	=F10+L10-L1:1	1928498679			09-2-5
120	0048	=F10+L10-L1:1	1928498679			09-2-5
121	0049	=F10+L10-L1:1	1928498679			09-2-5
122	0394	=F10+L10-JS-1030:B	1928498679			33-2-1
123	0266	=F10+L10-JS-1038:2	1928498679			30-2-1
124	0284	=F10+L10-JS-1034:B	1928498679			26-2-1
129	0263	=F10+L10-JS-1038:4	1928498679			30-2-1
182	0096	=F10+L10-BS-041:21	1928498679			13-10-3
127	0352	=F10+L10-JS-1011:C	1928498679			33-2-1
185	0093	=F10+L10-BS-041:18	1928498679			13-10-3
107	0072	=F10+L10-JS-1015:4	1928498679			12-2-1
165	0143	=F10+L10-BS-006:28	1928498679			16-2-2
189	0144	=F10+L10-BS-006:32	1928498679			16-2-2
132	0267	=F10+L10-JS-1016:6	1928498679			30-2-1
133	0063	=F10+L10-SP-1001:2	1928498679			11-2-3
134	0270	=F10+L10-JS-1019:5	1928498679			30-2-1
135	0357	=F10+L10-JS-1021:B	1928498679			31-2-1
136	0358	=F10+L10-JS-1023:B	1928498679			31-2-1
126	0253	=F10+L10-JS-1013:B	1928498679			25-2-1
138	0321	=F10+L10-JS-1027:B	1928498679			28-2-1
137	0320	=F10+L10-JS-1025:B	1928498679			28-2-1
188	0094	=F10+L10-BS-041:19	1928498679			13-10-3
141	0302	=F10+L10-JS-1029:B	1928498679			27-2-1
142	0050	=F10+L10-L1:1	1928498679			09-2-5
143	0051	=F10+L10-L1:1	1928498679			09-2-5
144	0052	=F10+L10-L1:1	1928498679			09-2-5
145	0053	=F10+L10-L1:1	1928498679			09-2-5
146			1928498679			33-2-1
147	0303	=F10+L10-JS-1033:B	1928498679			27-2-1
148	0395	=F10+L10-JS-1035:B	1928498679			33-2-1
149	0285	=F10+L10-JS-1036:B	1928498679			26-2-1
125	0338	=F10+L10-JS-1100:1	1928498679			29-2-1
150	0339	=F10+L10-JS-1101:1	1928498679			29-2-1
152	247	=F10+L10-JS-1401:B	1928498679			25-2-1
153	0359	=F10+L10-JS-1042:1	1928498679			31-2-1
154	0304	=F10+L10-JS-1052:1	1928498679			27-2-1
161	0045	=F10+L10-SP-1006:2	1928498679			10-9-5
156	0360	=F10+L10-JS-1044:1	1928498679			31-2-1
157	0062	=F10+L10-JS-1062:1	1928498679			11-2-3
151	0243	=F10+L10-JS-1013:A	1928498679			25-2-1
159	0322	=F10+L10-JS-1046:1	1928498679			28-2-1
160	0398	=F10+L10-JS-1055:1	1928498679			33-2-1
116	0145	=F10+L10-BS-006:22	1928498679			16-2-2
162	0323	=F10+L10-JS-1048:1	1928498679			28-2-1
140	0152	=F10+L10-BS-006:23	1928498679			16-2-2
163	0286	=F10+L10-JS-1058:1	1928498679			26-2-1
105	0021	=F10+L10-BS-015:M	1928498679			09-2-5
166	0287	=F10+L10-JS-1060:1	1928498679			26-2-1
167	0017	=F10+L10-BS-015:H	1928498679			09-2-5
168	0341	=F10+L10-JS-1103:1	1928498679			29-2-1
176	0381	=F10+L10-JS-1067:B	1928498679			32-2-2
170	41	=F10+L10-BP-001:18	1928498679			09-2-5
171	0305	=F10+L10-JS-1051:1	1928498679			27-2-1
172	3	=F10+L10-JS-1402:1	1928498679			25-2-1
173	0288	=F10+L10-JS-1037:B	1928498679			26-2-1
174	0342	=F10+L10-JS-1104:1	1928498679			29-2-1
175	239	=F10+L10-BS-046:8	1928498679			22-3-4
196	0382	=F10+L10-JS-1070:1	1928498679			32-2-2
177	0361	=F10+L10-JS-1043:1	1928498679			31-2-1
178	0306	=F10+L10-JS-1053:1	1928498679			27-2-1
191	0019	=F10+L10-BS-015:K	1928498679			09-2-5
180	0362	=F10+L10-JS-1045:1	1928498679			31-2-1
184	0064	=F10+L10-JS-1056:1	1928498679			11-2-3
155	0380	=F10+L10-JS-1068:B	1928498679			32-2-2
183	0324	=F10+L10-JS-1047:1	1928498679			28-2-1
193	0065	=F10+L10-JS-1061:1	1928498679			11-2-3
190	0290	=F10+L10-JS-1059:1	1928498679			11-2-3
186	0325	=F10+L10-JS-1049:1	1928498679			28-2-1
187	0289	=F10+L10-JS-1057:1	1928498679			26-2-1
194	234	=F10+L10-SP-1007:2	1928498679			22-3-4
181	0343	=F10+L10-JS-1105:1	1928498679			29-2-1
104	0101	=F10+L10-BS-006:25	1928498679			16-2-2
192	0340	=F10+L10-JS-1107:1	1928498679			29-2-1
108	0146	=F10+L10-SP-1025:1	1928498679			32-2-2
128	0141	=F10+L10-BS-006:27	1928498679			16-2-2
139						09-2-5
195	0307	=F10+L10-JS-1050:1	1928498679			27-2-1
169	0383	=F10+L10-JS-1069:1	1928498679			32-2-2

-BS-007 (I/O)

Chassis-Roof I/O Bulkhead

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	439	=F10+L10-SP-1013:2	330113002			37-10-1
9	447	=F10+L10-SP-1015:2	330113002			38-10-1
3	448	=F10+L10-SP-1016:2	330113002			38-10-1
8	455	=F10+L10-SP-1019:2	330113002			40-9-2
2	456	=F10+L10-SP-1020:2	330113002			40-9-2
5	482	=F10+L10-BP-029:8	330113002			41-10-2
7	434	=F10+L10-SP-1014:2	330113002			37-10-1
11	483	=F10+L10-BP-029:9	330113002			41-10-2
4	488	=F10+L10-SP-1021:1	330113002			41-10-2
10	489	=F10+L10-SP-1022:1	330113002			41-10-2
6						
12						

-BS-015

HVDB-Chassis Inline

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	471	=F10+L10-SP-1017:2	0462-201-16141			39-10-2
B	472	=F10+L10-SP-1018:2	0462-201-16141			39-10-2
C	0014	=F10+L10-SP-1023:2	0462-209-16141			09-2-3
D	0015	=F10+L10-SP-1023:2	0462-209-16141			09-2-3
E	0016	=F10+L10-BP-001:23	0462-209-16141			09-2-3
F	0057	=F10+L10-BS-046:10	0462-201-16141			10-9-2
G	0067	=F10+L10-SP-1001:2	0462-201-16141			11-9-1
H	0017	=F10+L10-JS-1001:167	0462-201-16141			09-2-3
J	0018	=F10+L10-L1:1	0462-201-16141			09-2-3
K	0019	=F10+L10-JS-1001:191	0462-201-16141			09-2-3
L	0020	=F10+L10-L1:1	0462-201-16141			09-2-3
M	0021	=F10+L10-JS-1001:105	0462-201-16141			09-2-3
N	0022	=F10+L10-JS-1076:A	0462-201-16141			09-2-3
P					114017-ZZ	

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 46

-JS-1002

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
201	31	=F10+L10-BP-001:2	1928498057	1928300600		09-2-1
202	32	=F10+L10-BP-001:3	1928498057	1928300600		09-2-1
203	33	=F10+L10-BP-001:4	1928498057	1928300600		09-2-1
204	34	=F10+L10-BP-001:5	1928498057	1928300600		09-2-1
205	35	=F10+L10-BP-001:6	1928498057	1928300600		09-2-1
206	36	=F10+L10-BP-001:7	1928498057	1928300600		09-2-1
207	37	=F10+L10-SP-1005:1	1928498679			09-2-1
256	0102	=F10+L10-JS-1074:M	1928498679			13-2-1
209	477	=F10+L10-SP-1019:2	1928498679			40-2-1
210	431	=F10+L10-SP-1014:2	1928498679			37-2-1
211	441	=F10+L10-SP-1015:1	1928498679			38-2-1
216	484	=F10+L10-SP-1021:2	1928498679			41-2-3
229	485	=F10+L10-SP-1022:2	1928498679			41-2-3
252	0142	=F10+L10-BS-006:31	1928498679			16-2-2
254	0255	=F10+L10-JS-1097:6	1928498679			27-2-2
218						
239	0075	=F10+L10-BS-041:5	1928498679			13-2-1
241						
219						
214						
212						
222	478	=F10+L10-SP-1020:2	1928498679			40-2-1
223	436	=F10+L10-SP-1013:2	1928498679			37-2-1
224	442	=F10+L10-SP-1016:1	1928498679			38-2-1
225						
213						
215						
228						
226						
230						
231						
232						
233						
234	0024	=F10+L10-JS-1072:J	1928498679			08-3-2
235						
236						
237						
238	0084	=F10+L10-BS-041:10	1928498679			13-2-1
255						
240						
227						
242						
243						
258	0025	=F10+L10-SP-1024:2	1928498679			08-3-2
247	0026	=F10+L10-JS-1071:D	1928498679			08-3-2
246	38	=F10+L10-SP-1003:1	1928498679			09-2-1
245	0027	=F10+L10-JS-1074:H	1928498679			08-3-2
248						
249						
250						
251	0085	=F10+L10-BS-041:9	1928498679			13-2-1
220						
221	0375	=F10+L10-JS-0901:1	1928498679			32-2-1
217						
253						
208						
257	0028	=F10+L10-SP-1024:2	1928498679			08-3-2
244						

-BS-046 — Traction System-Chassis Bulkhead

Wedgelock :W12S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	237	=F10+L10-BP-001:19	0462-201-16141			22-9-2
2	240	=F10+L10-SP-1007:1	0462-201-16141			22-9-2
3	0235	=F10+L10-L4 Ground Lug:1	0462-201-16141			22-9-2
4	0044	=F10+L10-SP-1006:1	0462-201-16141			10-9-3
9	449	=F10+L10-SP-1015:1	0462-201-16141			38-10-3
6	236	=F10+L10-BP-001:44	0462-201-16141			22-9-2
7	0242	=F10+L10-L4 Ground Lug:1	0462-201-16141			22-9-2
8	239	=F10+L10-JS-1001:175	0462-201-16141			22-9-2
5	450	=F10+L10-SP-1016:1	0462-201-16141			38-10-3
10	0057	=F10+L10-BS-015:F	0462-201-16141			10-9-3
11	0241	=F10+L10-L4 Ground Lug:1	0462-201-16141			22-9-2
12					0413-204-2005	22-9-2

-BS-045 — Debug Bulkhead

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
3	469	=F10+L10-SP-1017:1	0462-201-16141			39-2-4
1	425	=F10+L10-SP-1021:1	0462-201-16141			42-2-2
2	0437	=F10+L10-SP-1022:1	0462-201-16141			42-2-2
7	0423	=F10+L10-SP-1015:2	0462-201-16141			42-2-2
8	0424	=F10+L10-SP-1016:2	0462-201-16141			42-2-2
4	470	=F10+L10-SP-1018:1	0462-201-16141			39-2-4
11					0413-217-1605	42-2-2
12					0413-217-1605	42-2-2
6	481	=F10+L10-SP-1013:2	0462-201-16141			42-2-2
5	480	=F10+L10-SP-1014:2	0462-201-16141			42-2-2
9	0058	=F10+L10-SP-1005:1	0462-201-16141			09-9-4
10	0059	=F10+L10-SP-1003:1	0462-201-16141			09-9-4

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
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SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E

SCALE			SHEET NO.
1:1	CHASSIS HARNESS		47

-BS-006

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	410	=F10+L10-BP-001:28	0460-202-16141			34-9-2
2	401	=F10+L10-L4 Ground Lug:1	0460-202-20141			34-9-2
3	486	=F10+L10-SP-1021:2	0460-202-20141			41-2-5
4	0487	=F10+L10-SP-1022:2	0460-202-16141			41-2-5
7	0491	=F10+L10-JS-1072:H	0460-202-20141			16-9-1
8	0492	=F10+L10-JS-1073:M	0460-202-20141			16-9-1
24	0147	=F10+L10-JS-1008:13	0460-202-20141			16-9-1
21	0150	=F10+L10-JS-1008:49	0460-202-20141			16-9-1
9	404	=F10+L10-L4 Ground Lug:1	0460-202-20141			34-9-2
10	402	=F10+L10-L4 Ground Lug:1	0460-202-20141			34-9-2
11	411	=F10+L10-BP-001:29	0460-202-20141			34-9-2
5					413-204-2005	
6					413-204-2005	
22	0145	=F10+L10-JS-1001:116	0460-202-20141			16-9-1
25	0101	=F10+L10-JS-1001:104	0460-202-20141			16-9-1
23	0152	=F10+L10-JS-1001:140	0460-202-20141			16-9-1
17	446	=F10+L10-SP-1016:1	0460-202-20141			38-2-5
18	445	=F10+L10-SP-1015:1	0460-202-20141			38-2-5
19	438	=F10+L10-SP-1013:1	0460-202-20141			37-2-5
20	433	=F10+L10-SP-1014:1	0460-202-20141			37-2-5
27	0141	=F10+L10-JS-1001:128	0460-202-20141			16-9-1
12					0413-204-2005	
13					0413-204-2005	
14					0413-204-2005	
26	0148	=F10+L10-JS-1008:14	0460-202-20141			16-9-1
34	0151	=F10+L10-JS-1008:58	0460-202-16141			16-9-1
30	0149	=F10+L10-JS-1008:43	0460-202-20141			16-9-1
32	0144	=F10+L10-JS-1001:189	0460-202-20141			16-9-1
33	0154	=F10+L10-L2:1	0460-202-20141			16-9-1
28	0143	=F10+L10-JS-1001:165	0460-202-20141			16-9-1
29	0153	=F10+L10-L2:1	0460-202-20141			16-9-1
15					0413-204-2005	
16					0413-204-2005	
31	0142	=F10+L10-JS-1002:252	0460-202-20141			16-9-1
35					0413-204-2005	
36					0413-204-2005	
37					0413-204-2005	
38					0413-204-2005	
39					0413-204-2005	
40					0413-204-2005	
41					0413-204-2005	
42					0413-204-2005	
43					0413-204-2005	
44					0413-204-2005	
45					0413-204-2005	
46					0413-204-2005	
47					0413-204-2005	

-JS-1009

Ecotron

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CAVITY PLUG	CROSS-REF
114	0122	=F10+L10-L2:1	964273-2	963292-1		14-9-1
121	0116	=F10+L10-BP-001:13	964273-2	963293-1		14-9-1
120	0104	=F10+L10-BS-012:D	964273-2	963292-1		14-9-1
119	0103	=F10+L10-BS-012:B	964273-2	963292-1		14-9-1
118	0105	=F10+L10-BS-012:E	964273-2	963292-1		14-9-1
117	0106	=F10+L10-BS-012:G	964273-2	963292-1		14-9-1
116	0115	=F10+L10-BP-001:12	964273-2	963293-1		14-9-1
115	0120	=F10+L10-L2:1	964273-2	963292-1		14-9-1
93	0119	=F10+L10-SP-1007:2	968221-1			14-9-1
82					936054	
83					936054	
84					936054	
85					936054	
86					936054	
87					936054	
88					936054	
89					936054	
90					936054	
91					936054	
92					936054	
94					936054	
95					936054	
96					936054	
97					936054	
98					936054	
99					936054	
100					936054	
101					936054	
102					936054	
103					936054	
104					936054	
105					936054	
106					936054	
107					936054	
108					936054	
109					936054	
110					936054	
111					936054	
112					936054	
113					936054	

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
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SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 48

-JS-0905

SEAT BELT SENSOR

LOCK: W6S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	5	=F10+L10-JS-1008:28	1062-16-0622			21-5-2
3	0071	=F10+L10-JS-1008:32	1062-16-0622			21-5-2
6	0075	=F10+L10-JS-1008:33	1062-16-0622			21-5-2
2	6	=F10+L10-JS-1008:20	1062-16-0622			21-5-2
4					0413-204-2005	21-5-2
5					0413-204-2005	21-5-2

-BS-012

Shift House Connector (Inline)

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
P	0110	=F10+L10-JS-1008:9	0462-201-16141			14-1-1
B	0103	=F10+L10-JS-1009:119	0462-203-12141			14-1-1
J	0111	=F10+L10-JS-1008:18	0462-201-16141			14-1-1
D	0104	=F10+L10-JS-1009:120	0462-203-12141			14-1-1
E	0105	=F10+L10-JS-1009:118	0462-203-12141			14-1-1
N	0112	=F10+L10-JS-1008:19	0462-201-16141			14-1-1
G	0106	=F10+L10-JS-1009:117	0462-203-12141			14-1-1
H	0107	=F10+L10-JS-1008:26	0462-201-16141			14-1-1
A					114017-ZZ	14-1-1
K	0108	=F10+L10-JS-1008:10	0462-201-16141			14-1-1
C					114017-ZZ	14-1-1
F					114017-ZZ	14-1-1
L					114017-ZZ	14-1-1
M	0109	=F10+L10-JS-1008:47	0462-201-16141			14-1-1
R					114017-ZZ	14-1-1
S					114017-ZZ	14-1-1
T					114017-ZZ	14-1-1
U					114017-ZZ	14-1-1
V					114017-ZZ	14-1-1
W					114017-ZZ	14-1-1
X					114017-ZZ	14-1-1

-SP-1020

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	474	=F10+L10-JS-1008:6			40-5-2
2	478; 283; 456	=F10+L10-JS-1002:222; =F10+L10-SP-1018:2; =F10+L10-BS-007 (I/O):2			

-JS-1078

5V_4 BUS

5V_4 BUS

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0300	=F10+L10-JS-1037:A	CTS-S20/20			26-9-2
B	0299	=F10+L10-JS-1036:A	CTS-S20/20			26-9-2
C	0298	=F10+L10-JS-1034:A	CTS-S20/20			26-9-2
D	0317	=F10+L10-JS-1029:A	CTS-S20/20			27-10-2
E	0316	=F10+L10-JS-1033:A	CTS-S20/20			27-10-2
F	0315	=F10+L10-JS-1028:A	CTS-S20/20			27-10-2
G	0337	=F10+L10-JS-1025:A	CTS-S20/20			28-10-2
H	0336	=F10+L10-JS-1024:A	CTS-S20/20			28-10-2
J	0335	=F10+L10-JS-1027:A	CTS-S20/20			28-10-2
K	0334	=F10+L10-JS-1026:A	CTS-S20/20			28-10-2
L	0403	=F10+L10-JS-1071:L	CTS-S20/20			08-9-1
M						

-JS-1079

sGND_4 BUS

sGND_4 BUS

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0297	=F10+L10-JS-1037:C	CTS-S20/20			26-9-1
B	0296	=F10+L10-JS-1036:C	CTS-S20/20			26-9-1
C	0295	=F10+L10-JS-1034:C	CTS-S20/20			26-9-1
D	0314	=F10+L10-JS-1029:C	CTS-S20/20			27-9-1
E	0313	=F10+L10-JS-1033:C	CTS-S20/20			27-9-1
F	0312	=F10+L10-JS-1028:C	CTS-S20/20			27-9-1
G	0333	=F10+L10-JS-1025:C	CTS-S20/20			28-10-1
H	0332	=F10+L10-JS-1024:C	CTS-S20/20			28-10-1
J	0331	=F10+L10-JS-1027:C	CTS-S20/20			28-10-1
K	0330	=F10+L10-JS-1026:C	CTS-S20/20			28-10-1
L	0229	=F10+L10-JS-1074:K	CTS-S20/20			27-9-1
M						

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1	CHASSIS HARNESS	SHEET NO. 49	

-JS-1011

Work Pump Position Sensor

Wedge lock : W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0391	=F10+L10-JS-1077:H	0462-201-16141			33-2-5
B	0386	=F10+L10-JS-1076:G	0462-201-16141			33-2-5
C	0352	=F10+L10-JS-1001:127	0462-201-16141			33-2-5

-JS-1012

Work Pump Displacement Control Valve

Wedge lock : W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0396	=F10+L10-JS-1001:102	0462-201-16141			33-2-6
2	0400	=F10+L10-L3 :1	0462-201-16141			33-2-6

-JS-1019

Right 3-Point Angle Sensor

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0278	=F10+L10-JS-1073:E	5-962885-1	967067-1		30-2-6
2	0277	=F10+L10-SP-1008:1	5-962885-1	967067-1		30-2-6
3	0279	=F10+L10-SP-1009:1	5-962885-1	967067-1		30-2-6
4	0258	=F10+L10-JS-1071:E	5-962885-1	967067-1		30-2-6
5	0270	=F10+L10-JS-1001:134	5-962885-1	967067-1		30-2-6
6	0268	=F10+L10-JS-1008:16	5-962885-1	967067-1		30-2-6

-JS-1020

RearAux Pressure Sensor 2A Connector

Wedge lock : W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0374	=F10+L10-JS-1072:C	0462-201-16141			31-10-3
B	0355	=F10+L10-JS-1001:111	0462-201-16141			31-10-3
C	0367	=F10+L10-JS-1074:G	0462-201-16141			31-10-3

-JS-1021

RearAux Pressure Sensor 2B Connector

Wedge lock : W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0373	=F10+L10-JS-1072:D	0462-201-16141			31-10-4
B	0357	=F10+L10-JS-1001:135	0462-201-16141			31-10-4
C	0368	=F10+L10-JS-1074:F	0462-201-16141			31-10-4

-JS-1022

RearAux Pressure Sensor 1A Connector

Wedge lock : W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0372	=F10+L10-JS-1072:E	0462-201-16141			31-10-5
B	0356	=F10+L10-JS-1001:112	0462-201-16141			31-10-5
C	0369	=F10+L10-JS-1074:E	0462-201-16141			31-10-5

-JS-1042

Rear Aux Valve 2A Connector

Wedge lock : W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0359	=F10+L10-JS-1001:153	0462-201-16141			31-2-3
2	0363	=F10+L10-L2:1	0462-201-16141			31-2-3

-JS-1043

Rear Aux Valve 2B Connector

Wedge lock : W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0361	=F10+L10-JS-1001:177	0462-201-16141			31-2-4
2	0364	=F10+L10-L2:1	0462-201-16141			31-2-4

-JS-1044

Rear Aux Valve 1A Connector

Wedge lock : W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0360	=F10+L10-JS-1001:156	0462-201-16141			31-2-4
2	0365	=F10+L10-L2:1	0462-201-16141			31-2-4

-JS-1045

RearAux Valve 1B Connector

Wedge lock : W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0362	=F10+L10-JS-1001:180	0462-201-16141			31-2-5
2	0366	=F10+L10-L2:1	0462-201-16141			31-2-5

-JS-1046

3PT R Lower On Off Valve Connector

Wedge Lock: W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0322	=F10+L10-JS-1001:159	0462-201-16141			28-2-4
2	0328	=F10+L10-L1:1	0462-201-16141			28-2-4

-JS-1047

3PT R Lower Pres Tank Valve Connector

Wedge Lock: W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0324	=F10+L10-JS-1001:183	0462-201-16141			28-2-5
2	0329	=F10+L10-L1:1	0462-201-16141			28-2-5

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE B | JOB NO. | DRAWING NO. W0110 | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 50

-JS-1048

Wedge Lock: W2S

3PT R Raise On Off Valve Connector

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0323	=F10+L10-JS-1001:162	0462-201-16141			28-2-4
2	0327	=F10+L10-L1:1	0462-201-16141			28-2-4

-JS-1049

Wedge Lock: W2S

3PT R Raise Pres Tank Valve Connector

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0325	=F10+L10-JS-1001:186	0462-201-16141			28-2-3
2	0326	=F10+L10-L1:1	0462-201-16141			28-2-3

-JS-1050

Wedge Lock: W2S

Brake Left Release Valve

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0307	=F10+L10-JS-1001:195	0462-201-16141			27-2-3
2	0308	=F10+L10-L1:1	0462-201-16141			27-2-3

-JS-1051

Wedge Lock: W2S

Brake L Set Valve Connector

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0305	=F10+L10-JS-1001:171	0462-201-16141			27-2-4
2	0309	=F10+L10-L1:1	0462-201-16141			27-2-4

-JS-1052

Wedge Lock: W2S

Brake R Release Valve Connector

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0304	=F10+L10-JS-1001:154	0462-201-16141			27-2-4
2	0310	=F10+L10-L1:1	0462-201-16141			27-2-4

-JS-1053

Wedge Lock: W2S

Brake R Set Valve Connector

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0306	=F10+L10-JS-1001:178	0462-201-16141			27-2-5
2	0311	=F10+L10-L1:1	0462-201-16141			27-2-5

-JS-1023

RearAux Pressure Sensor 1B Connector

RearAux Pressure Sensor 1B Connector

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0371	=F10+L10-JS-1072:F	0462-201-16141			31-5-1
B	0358	=F10+L10-JS-1001:136	0462-201-16141			31-5-1
C	0370	=F10+L10-JS-1074:D	0462-201-16141			31-5-1

-JS-1055

Wedge lock : W2S

Imp Const Flow Valve Connector

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0398	=F10+L10-JS-1001:160	0462-201-16141			33-2-4
2	0399	=F10+L10-L3 :1	0462-201-16141			33-2-4

-JS-1056

Wedgelock : W2S

Imp Recirc Valve Connector

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0064	=F10+L10-JS-1001:184	0462-201-16141			11-10-3
2	0068	=F10+L10-JS-1075:C	0462-201-16141			11-10-3

-JS-1057

Wedge Lock: W2S

PTO Clutch Valve

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0289	=F10+L10-JS-1001:187	0462-201-16141			26-2-4
2	0294	=F10+L10-L1:1	0462-201-16141			26-2-4

-JS-1058

Wedge Lock: W2S

Drive Clutch Valve

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0286	=F10+L10-JS-1001:163	0462-201-16141			26-2-4
2	0292	=F10+L10-L1:1	0462-201-16141			26-2-4

-JS-1059

Wedge Lock: W2S

Lubrication Valve

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0290	=F10+L10-JS-1001:190	0462-201-16141			11-10-5
2	0293	=F10+L10-JS-1075:E	0462-201-16141			11-10-5

-JS-1060

Wedge Lock: W2S

Transmission Flow Control Valve

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0287	=F10+L10-JS-1001:166	0462-201-16141			26-2-3
2	0291	=F10+L10-L1:1	0462-201-16141			26-2-3

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE B | JOB NO. | DRAWING NO. W0110 | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 51

-JS-1061

Wedgelock : W2S

Aux Bypass Valve

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0065	=F10+L10-JS-1001:193	0462-201-16141			11-10-2
2	0069	=F10+L10-JS-1075:D	0462-201-16141			11-10-2

-JS-1062

Wedgelock : W2S

Str/Brk Shutdown Valve Connector

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0062	=F10+L10-JS-1001:157	0462-201-16141			11-10-4
2	0066	=F10+L10-JS-1075:A	0462-201-16141			11-10-4

-JS-1069

Wedge lock : W2S

Top Link Extended Control Valve

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0383	=F10+L10-JS-1001:169	0462-201-16141			32-2-4
2	0385	=F10+L10-L3 :1	0462-201-16141			32-2-4

-JS-1070

Wedge lock : W2S

Top Link Retract Control Valve

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0382	=F10+L10-JS-1001:196	0462-201-16141			32-2-4
2	0384	=F10+L10-L3 :1	0462-201-16141			32-2-4

-JS-1015

Accelerator Sensor Connector

Accelerator Sensor Connector

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0083	=F10+L10-JS-1071:K	5-962885-1	967067-1		12-9-4
2	0081	=F10+L10-JS-1073:K	5-962885-1	967067-1		12-9-4
3	0074	=F10+L10-JS-1001:131	5-962885-1	967067-1		12-9-4
4	0072	=F10+L10-JS-1001:107	5-962885-1	967067-1		12-9-4
5	0080	=F10+L10-JS-1073:J	5-962885-1	967067-1		12-9-4
6	0082	=F10+L10-JS-1071:J	5-962885-1	967067-1		12-9-4

-JS-1016

Left Brake Position Sensor

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1					967056-1	30-9-3
2	0280	=F10+L10-JS-1073:H	5-962885-1	967067-1		30-9-3
3	0260	=F10+L10-JS-1071:H	5-962885-1	967067-1		30-9-3
4					967056-1	30-9-3
5					967056-1	30-9-3
6	0267	=F10+L10-JS-1001:132	5-962885-1	967067-1		30-9-3

-SP-1001

18-22

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CAVITY PLUG	CROSS-REF
1	0060	=F10+L10-BP-001:32		Splice		11-5-1
2	0067; 0063	=F10+L10-BS-015:G; =F10+L10-JS-1001:133		Splice		

-SP-1002

14-16

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CAVITY PLUG	CROSS-REF
1	0100	=F10+L10-JS-1074:C		Splice		13-4-3
2	0086; 0099; 0087	=F10+L10-BS-041:7; =F10+L10-BS-041:24; =F10+L10-BS-041:8		Splice		

-JS-1017

Right Brake Position Sensor

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1					967056-1	30-9-5
2	0281	=F10+L10-JS-1073:G	5-962885-1	967067-1		30-9-5
3	0261	=F10+L10-JS-1071:G	5-962885-1	967067-1		30-9-5
4					967056-1	30-9-5
5					967056-1	30-9-5
6	0264	=F10+L10-JS-1001:109	5-962885-1	967067-1		30-9-5

-JS-1018

Left 3-Point Angle Sensor

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0274	=F10+L10-SP-1008:2	5-962885-1	967067-1		30-2-4
2	0275	=F10+L10-JS-1073:F	5-962885-1	967067-1		30-2-4
3	0262	=F10+L10-JS-1071:F	5-962885-1	967067-1		30-2-4
4	0276	=F10+L10-SP-1009:2	5-962885-1	967067-1		30-2-4
5	0269	=F10+L10-JS-1008:15	5-962885-1	967067-1		30-2-4
6	0265	=F10+L10-JS-1001:110	5-962885-1	967067-1		30-2-4

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 52

-JS-1008

Position Cap: 1393454-2

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
24					936054	
56					936054	
7	473	=F10+L10-SP-1019:1	968221-1			40-2-4
6	474	=F10+L10-SP-1020:1	968221-1			40-2-4
8					936054	
21					936054	
29					936054	
18	0111	=F10+L10-BS-012:J	968221-1			14-9-3
20	6	=F10+L10-JS-0905:2	968221-1			21-8-2
13	0147	=F10+L10-BS-006:24	968221-1			16-2-4
14	0148	=F10+L10-BS-006:26	968221-1			16-2-4
28	5	=F10+L10-JS-0905:1	968221-1			21-8-2
49	0150	=F10+L10-BS-006:21	968221-1			16-2-4
57					936054	
31					936054	
11	0124	=F10+L10-JS-1085:6	968220-1			15-3-2
12	0126	=F10+L10-JS-1086:5	968220-1			15-3-2
27	0127	=F10+L10-JS-1085:3	968220-1			15-3-2
48	0128	=F10+L10-JS-1086:4	968220-1			15-3-2
34					936054	
35					936054	
36					936054	
37					936054	
38					936054	
39					936054	
40					936054	
41					936054	
44					936054	
45					936054	
46					936054	
50					936054	
51					936054	
52					936054	
53					936054	
54					936054	
55					936054	
59					936054	
61	4	=F10+L10-JS-1110:1	968221-1			25-2-4
63					936054	
64					936054	
65					936054	
15	0269	=F10+L10-JS-1018:5	968220-1			30-2-3
16	0268	=F10+L10-JS-1019:6	968220-1			30-2-3
17	0271	=F10+L10-SP-1008:1	968220-1			30-2-3
25	0272	=F10+L10-SP-1009:1	968220-1			30-2-3
66					936054	
67					936054	
68					936054	

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
69					936054	
70					936054	
71					936054	
72					936054	
73					936054	
74					936054	
43	0149	=F10+L10-BS-006:30	968221-1			16-2-4
58	0151	=F10+L10-BS-006:34	968221-1			16-2-4
75					936054	
76					936054	
77					936054	
78					936054	
79					936054	
32	0071	=F10+L10-JS-0905:3	968221-1			21-8-2
60	0133	=F10+L10-SP-1010:1	968221-1			15-3-2
81	0132	=F10+L10-BS-041:25	968221-1			15-3-2
62	0131	=F10+L10-BS-040:D	968221-1			15-3-2
22	0129	=F10+L10-BS-040:E	968221-1			15-3-2
33	0075	=F10+L10-JS-0905:6	968221-1			21-8-2
42					936054	
10	0108	=F10+L10-BS-012:K	968221-1			14-9-3
9	0110	=F10+L10-BS-012:P	968221-1			14-9-3
30					936054	
5	0125	=F10+L10-L2:1	964273-2	963293-1		14-9-3
4	0123	=F10+L10-L2:1	964273-2	963293-1		14-9-3
3	0118	=F10+L10-BP-001:15	964273-2	963293-1		14-9-3
19	0112	=F10+L10-BS-012:N	968221-1			14-9-3
80					936054	
23	0130	=F10+L10-BS-041:26	968221-1			15-3-2
47	0109	=F10+L10-BS-012:M	968221-1			14-9-3
26	0107	=F10+L10-BS-012:H	968221-1			14-9-3
2	0121	=F10+L10-L2:1	964273-2	963293-1		14-9-3
1	0117	=F10+L10-BP-001:14	964273-2	963293-1		14-9-3

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
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SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E
SCALE 1:1	CHASSIS HARNESS	SHEET NO. 53	

-JS-1025 — 3PT Left Lower Press Sensor Connector

Wedge Lock: W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0337	=F10+L10-JS-1078:G	0462-201-16141			28-5-1
B	0320	=F10+L10-JS-1001:137	0462-201-16141			28-5-1
C	0333	=F10+L10-JS-1079:G	0462-201-16141			28-5-1

-JS-1027 — 3PT Right Lower Press Sensor Connector

Wedge Lock: W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0335	=F10+L10-JS-1078:J	0462-201-16141			28-10-4
B	0321	=F10+L10-JS-1001:138	0462-201-16141			28-10-4
C	0331	=F10+L10-JS-1079:J	0462-201-16141			28-10-4

-JS-1028 — Brake Left Press Sensor Connector

Wedge Lock: W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0315	=F10+L10-JS-1078:F	0462-201-16141			27-10-3
B	0301	=F10+L10-JS-1001:117	0462-201-16141			27-10-3
C	0312	=F10+L10-JS-1079:F	0462-201-16141			27-10-3

-JS-1029 — Brake Right Press Sensor Connector

Wedge Lock: W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0317	=F10+L10-JS-1078:D	0462-201-16141			27-10-5
B	0302	=F10+L10-JS-1001:141	0462-201-16141			27-10-5
C	0314	=F10+L10-JS-1079:D	0462-201-16141			27-10-5

-JS-1030 — Work Pump Press Sensor Connector

Wedge lock : W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0392	=F10+L10-JS-1077:J	0462-201-16141			33-9-4
B	0394	=F10+L10-JS-1001:122	0462-201-16141			33-9-4
C	0387	=F10+L10-JS-1076:H	0462-201-16141			33-9-4

-JS-1403 — Reverse Valve Connector

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CAVITY PLUG	CROSS-REF
1	246	=F10+L10-JS-1001:101	0462-201-16141			25-2-5
2	0253	=F10+L10-L1:1	0462-201-16141			25-2-5

-JS-1033 — Brake/Streer Accumulator Press Sensor Connector

Wedge Lock: W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0316	=F10+L10-JS-1078:E	0462-201-16141			27-10-4
B	0303	=F10+L10-JS-1001:147	0462-201-16141			27-10-4
C	0313	=F10+L10-JS-1079:E	0462-201-16141			27-10-4

-JS-1035 — Free Return Press Sensor Connector

Wedge lock : W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0390	=F10+L10-JS-1077:G	0462-201-16141			33-9-4
B	0395	=F10+L10-JS-1001:148	0462-201-16141			33-9-4
C	0389	=F10+L10-JS-1076:K	0462-201-16141			33-9-4

-JS-1036 — PTO Clutch Pressure Sensor

Wedge Lock: W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0299	=F10+L10-JS-1078:B	0462-201-16141			26-10-4
B	0285	=F10+L10-JS-1001:149	0462-201-16141			26-10-4
C	0296	=F10+L10-JS-1079:B	0462-201-16141			26-10-4

-JS-1037 — Drive Clutch Pressure Sensor

Wedge Lock: W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0300	=F10+L10-JS-1078:A	0462-201-16141			26-10-5
B	0288	=F10+L10-JS-1001:173	0462-201-16141			26-10-5
C	0297	=F10+L10-JS-1079:A	0462-201-16141			26-10-5

-JS-1038 — Temperature/Pressure Sensor Connector

PIN	WIRE ID	DESTINATION	TERMINAL	TERM.SEAL	CAVITY PLUG	CROSS-REF
1	0273	=F10+L10-JS-1073:D	7-1452668-1	967067-2		30-2-4
2	0266	=F10+L10-JS-1001:123	7-1452668-1	967067-2		30-2-4
3	0259	=F10+L10-JS-1071:C	7-1452668-1	967067-2		30-2-4
4	0263	=F10+L10-JS-1001:129	7-1452668-1	967067-2		30-2-4

X ± 03

XXX ± 005

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SIZE B | JOB NO. | DRAWING NO. W0110 | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 54

-JS-1071

5V_1 BUS

Rail : CTJ-3A-05-4021

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0252	=F10+L10-JS-1013:C	CTS-S20/20			25-10-2
B	0031	=F10+L10-BP-001:39	CTS-S20/20			08-9-4
C	0259	=F10+L10-JS-1038:3	CTS-S20/20			30-10-2
D	0026	=F10+L10-JS-1002:247	CTS-S20/20			08-9-4
E	0258	=F10+L10-JS-1019:4	CTS-S20/20			30-10-2
F	0262	=F10+L10-JS-1018:3	CTS-S20/20			30-10-2
G	0261	=F10+L10-JS-1017:3	CTS-S20/20			30-10-2
H	0260	=F10+L10-JS-1016:3	CTS-S20/20			30-10-2
J	0082	=F10+L10-JS-1015:6	CTS-S20/20			12-9-2
K	0083	=F10+L10-JS-1015:1	CTS-S20/20			12-9-2
L	0403	=F10+L10-JS-1078:L	CTS-S20/20			08-9-4
M	0032	=F10+L10-BP-001:40	CTS-S20/20			08-9-4

-JS-1072

5V_2 Bus

Rail : CTJ-3A-05-4021

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A						
B	0257	=F10+L10-JS-1097:3	CTS-S20/20			27-9-2
C	0374	=F10+L10-JS-1020:A	CTS-S20/20			31-9-2
D	0373	=F10+L10-JS-1021:A	CTS-S20/20			31-9-2
E	0372	=F10+L10-JS-1022:A	CTS-S20/20			31-9-2
F	0371	=F10+L10-JS-1023:A	CTS-S20/20			31-9-2
G	0476	=F10+L10-JS-1077:L	CTS-S20/20			33-8-2
H	0491	=F10+L10-BS-006:7	CTS-S20/20			16-9-4
J	0024	=F10+L10-JS-1002:234	CTS-S20/20			08-9-2
K						
L						
M						

-JS-1077

5V_3 BUS

5V_3 BUS

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0088	=F10+L10-BS-041:13	CTS-S20/20			13-10-5
B	0097	=F10+L10-BS-041:22	CTS-S20/20			13-10-5
C	0076	=F10+L10-BS-041:6	CTS-S20/20			13-10-5
D	0378	=F10+L10-JS-1068:A	CTS-S20/20			32-10-3
E	0379	=F10+L10-JS-1067:A	CTS-S20/20			32-10-3
F						
G	0390	=F10+L10-JS-1035:A	CTS-S20/20			33-9-2
H	0391	=F10+L10-JS-1011:A	CTS-S20/20			33-9-2
J	0392	=F10+L10-JS-1030:A	CTS-S20/20			33-9-2
K			CTS-S20/20			33-9-2
L	0476	=F10+L10-JS-1072:G	CTS-S20/20			33-9-2
M	0248	=F10+L10-JS-1401:A	CTS-S20/20			25-8-2

-JS-1067

Top Link Extend Press Sensor Connector

Wedge lock : W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0379	=F10+L10-JS-1077:E	0462-201-16141			32-10-5
B	0381	=F10+L10-JS-1001:176	0462-201-16141			32-10-5
C	0377	=F10+L10-JS-1076:F	0462-201-16141			32-10-5

-JS-1068

Top Link Retract Press Sensor Connector

Wedge lock : W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0378	=F10+L10-JS-1077:D	0462-201-16141			32-10-3
B	0380	=F10+L10-JS-1001:155	0462-201-16141			32-10-3
C	0376	=F10+L10-JS-1076:E	0462-201-16141			32-10-3

-JS-1075

Emergency Dump GND Bus

Rail : CTJ-3A-05-4021

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0066	=F10+L10-JS-1062:2	CTS-S16/16			11-2-4
C	0068	=F10+L10-JS-1056:2	CTS-S16/16			11-2-4
D	0069	=F10+L10-JS-1061:2	CTS-S16/16			11-2-4
F	0061	=F10+L10-BP-001:30	CTS-S16/16			11-2-4
B						
E	0293	=F10+L10-JS-1059:2	CTS-S16/16			11-2-4

-JS-1097

Brake Pedal Sensor

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1					967056-1	27-6-1
2	0256	=F10+L10-JS-1074:A	5-962885-1	967067-1		27-6-1
3	0257	=F10+L10-JS-1072:B	5-962885-1	967067-1		27-6-1
4					967056-1	27-6-1
5					967056-1	27-6-1
6	0255	=F10+L10-JS-1002:254	5-962885-1	967067-1		27-6-1

X ± 03

XXX ± 005

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SIZE B | JOB NO. | DRAWING NO. W0110 | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 55

-JS-1073

sGND 1 BUS

Rail : CTJ-3A-05-4021

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0251	=F10+L10-JS-1013:D	CTS-S20/20			25-10-1
B	0134	=F10+L10-JS-1086:1	CTS-S20/20			15-10-3
C	0135	=F10+L10-JS-1085:2	CTS-S20/20			15-10-3
D	0273	=F10+L10-JS-1038:1	CTS-S20/20			30-10-1
E	0278	=F10+L10-JS-1019:1	CTS-S20/20			30-10-1
F	0275	=F10+L10-JS-1018:2	CTS-S20/20			30-10-1
G	0281	=F10+L10-JS-1017:2	CTS-S20/20			30-10-1
H	0280	=F10+L10-JS-1016:2	CTS-S20/20			30-10-1
J	0080	=F10+L10-JS-1015:5	CTS-S20/20			12-9-1
K	0081	=F10+L10-JS-1015:2	CTS-S20/20			12-9-1
L	0490	=F10+L10-SP-1024:1	CTS-S20/20			08-9-2
M	0492	=F10+L10-BS-006:8	CTS-S20/20			16-9-5

-JS-1074

sGND 2 BUS

Rail : CTJ-3A-05-4021

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0256	=F10+L10-JS-1097:2	CTS-S20/20			27-7-1
B	0228	=F10+L10-JS-1076:C	CTS-S20/20			13-10-1
C	0100	=F10+L10-SP-1002:1	CTS-S20/20			13-10-1
D	0370	=F10+L10-JS-1023:C	CTS-S20/20			31-9-1
E	0369	=F10+L10-JS-1022:C	CTS-S20/20			31-9-1
F	0368	=F10+L10-JS-1021:C	CTS-S20/20			31-9-1
G	0367	=F10+L10-JS-1020:C	CTS-S20/20			31-9-1
H	0027	=F10+L10-JS-1002:245	CTS-S20/20			08-9-3
J						
K	0229	=F10+L10-JS-1079:L	CTS-S20/20			27-7-1
L						
M	0102	=F10+L10-JS-1002:256	CTS-S20/20			13-10-1

-JS-1076

sGND 3 BUS

sGND 3 BUS

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0022	=F10+L10-BS-015:N	CTS-S20/20			09-9-5
B	0099	=F10+L10-SP-1004:2	CTS-S20/20			13-9-1
C	0228	=F10+L10-JS-1074:B	CTS-S20/20			13-9-1
D	0351	=F10+L10-JS-0901:3	CTS-S20/20			32-10-1
E	0376	=F10+L10-JS-1068:C	CTS-S20/20			32-10-1
F	0377	=F10+L10-JS-1067:C	CTS-S20/20			32-10-1
G	0386	=F10+L10-JS-1011:B	CTS-S20/20			33-9-1
H	0387	=F10+L10-JS-1030:C	CTS-S20/20			33-9-1
J			CTS-S20/20			33-9-1
K	0389	=F10+L10-JS-1035:C	CTS-S20/20			33-9-1
L						
M	0249	=F10+L10-JS-1401:C	CTS-S20/20			25-8-1

-JS-1013

Front Axle Speed

PIN	WIRE ID	DESTINATION	TERMINAL	TERM.SEAL	CAVITY PLUG	CROSS-REF
C	0252	=F10+L10-JS-1071:A	12124076			25-10-4
D	0251	=F10+L10-JS-1073:A	12124076			25-10-4
B	0253	=F10+L10-JS-1001:126	12124076			25-10-4
A	0243	=F10+L10-JS-1001:151	12124076			25-10-4

-JS-1110

TOP LINK PRESSURE RELEASE

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CAVITY PLUG	CROSS-REF
1	4	=F10+L10-JS-1008:61	0462-201-16141			25-10-5
2	2	=F10+L10-L1:1	0462-201-16141			25-10-5

-JS-1402

Forward Valve Connector

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CAVITY PLUG	CROSS-REF
1	3	=F10+L10-JS-1001:172	0462-201-16141			25-2-5
2	1	=F10+L10-L1:1	0462-201-16141			25-2-5

-SP-1009

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0272; 0279	=F10+L10-JS-1008:25; =F10+L10-JS-1019:3		Splice	30-4-3
2	0276	=F10+L10-JS-1018:4		Splice	

-SP-1010

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0138; 0133	=F10+L10-BS-041:30; =F10+L10-JS-1008:60			15-5-3
2	0134	=F10+L10-BS-040:K			

-SP-1011

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	422; 426; 427	=F10+L10-BS-040:A; =F10+L10-BS-041:1; =F10+L10-JS-1109:6			36-8-2
2	420	=F10+L10-BP-001:57			

X ± 03

XXX ± 005

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SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E

SCALE	CHASSIS HARNESS	SHEET NO.
1:1		56

-BS-040 — Left Armrest/Chassis Connector (Inline)

Left Armrest/Chassis Connector(Inline)

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	422	=F10+L10-SP-1011:1	0460-202-16141			36-2-1
B					114017-zz	
C	428	=F10+L10-SP-1012:1	0460-202-16141			36-2-1
D	0131	=F10+L10-JS-1008:62	0460-202-16141			15-3-3
E	0129	=F10+L10-JS-1008:22	0460-202-16141			15-3-3
F	440	=F10+L10-SP-1013:2	0460-202-16141			37-10-4
G	435	=F10+L10-SP-1014:2	0460-202-16141			37-10-4
H	0029	=F10+L10-BP-001:35	0460-202-16141			12-2-4
J	0030	=F10+L10-L2:1	0460-202-16141			12-2-4
K	0134	=F10+L10-SP-1010:2	0460-202-16141			15-3-3
L	0137	=F10+L10-L2:1	0460-202-16141			15-3-3
M	0056	=F10+L10-SP-1006:2	0460-202-16141			10-3-4
N	0055	=F10+L10-BS-041:12	0460-202-16141			10-3-4
P	0140	=F10+L10-L2:1	0460-202-16141			15-3-3

-JS-1034

Wedge Lock: W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0298	=F10+L10-JS-1078:C	0462-201-16141			26-10-3
B	0284	=F10+L10-JS-1001:124	0462-201-16141			26-10-3
C	0295	=F10+L10-JS-1079:C	0462-201-16141			26-10-3

-JS-1026

Wedge Lock: W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0334	=F10+L10-JS-1078:K	0462-201-16141			28-10-3
B	0319	=F10+L10-JS-1001:114	0462-201-16141			28-10-3
C	0330	=F10+L10-JS-1079:K	0462-201-16141			28-10-3

-JS-1024 — 3PT Left Raise Press Sensor Connector

Wedge Lock: W3S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
A	0336	=F10+L10-JS-1078:H	0462-201-16141			28-10-5
B	0318	=F10+L10-JS-1001:113	0462-201-16141			28-10-5
C	0332	=F10+L10-JS-1079:H	0462-201-16141			28-10-5

-R1 — BED SIDE MOUNTING

BED SIDE MOUNTING

PIN	WIRE ID	DESTINATION	TERMINAL	TERM.SEAL	CAVITY PLUG	CROSS-REF

-R4 — Gearbox SIDE MOUNTING

Gearbox SIDE MOUNTING

PIN	WIRE ID	DESTINATION	TERMINAL	TERM.SEAL	CAVITY PLUG	CROSS-REF

-BS-041

Right Armrest/Chassis Connector(Inline)

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	426	=F10+L10-SP-1011:1	0460-202-16141			36-2-3
2					114017-zz	
3	429	=F10+L10-SP-1012:1	0460-202-16141			36-2-3
4	0077	=F10+L10-JS-1001:103	0460-202-16141			13-2-3
5	0075	=F10+L10-JS-1002:239	0460-202-16141			13-2-3
6	0076	=F10+L10-JS-1077:C	0460-202-16141			13-2-3
7	0086	=F10+L10-SP-1002:2	0460-202-16141			13-2-3
8	0087	=F10+L10-SP-1002:2	0460-202-16141			13-2-3
9	0085	=F10+L10-JS-1002:251	0460-202-16141			13-2-3
10	0084	=F10+L10-JS-1002:238	0460-202-16141			13-2-3
11	0054	=F10+L10-BP-001:31	0460-202-16141			10-3-3
12	0055	=F10+L10-BS-040:N	0460-202-16141			10-3-3
13	0088	=F10+L10-JS-1077:A	0460-202-16141			13-2-3
14	0089	=F10+L10-SP-1004:1	0460-202-16141			13-2-3
15	0090	=F10+L10-JS-1001:179	0460-202-16141			13-2-3
16	0091	=F10+L10-JS-1001:158	0460-202-16141			13-2-3
17	0092	=F10+L10-JS-1001:164	0460-202-16141			13-2-3
18	0093	=F10+L10-JS-1001:185	0460-202-16141			13-2-3
19	0094	=F10+L10-JS-1001:188	0460-202-16141			13-2-3
20	0095	=F10+L10-SP-1004:1	0460-202-16141			13-2-3
21	0096	=F10+L10-JS-1001:182	0460-202-16141			13-2-3
22	0097	=F10+L10-JS-1077:B	0460-202-16141			13-2-3
23	0098	=F10+L10-SP-1004:1	0460-202-16141			13-2-3
24	0099	=F10+L10-SP-1002:2	0460-202-16141			13-2-3
25	0132	=F10+L10-JS-1008:81	0460-202-16141			15-3-4
26	0130	=F10+L10-JS-1008:23	0460-202-16141			15-3-4
27	0136	=F10+L10-L2:1	0460-202-16141			15-3-4
28	113	=F10+L10-SP-1013:1	0460-202-16141			37-10-5
29	114	=F10+L10-SP-1014:1	0460-202-16141			37-10-5
30	0138	=F10+L10-SP-1010:1	0460-202-16141			15-3-4
31	0139	=F10+L10-L2:1	0460-202-16141			15-3-4

-R3 — Hydralic Manifold SIDE MOUNTING

Hydralic Manifold SIDE MOUNTING

PIN	WIRE ID	DESTINATION	TERMINAL	TERM.SEAL	CAVITY PLUG	CROSS-REF

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E

SCALE	CHASSIS HARNESS	SHEET NO.
1:1		57

-JS-1103

Wedge Lock: W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0341	=F10+L10-JS-1001:168	0462-201-16141			29-10-1
2	0346	=F10+L10-L1:1	0462-201-16141			29-10-1

-JS-1104

Wedge Lock: W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0342	=F10+L10-JS-1001:174	0462-201-16141			29-10-2
2	0347	=F10+L10-L1:1	0462-201-16141			29-10-2

-JS-1105

Wedge Lock: W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0343	=F10+L10-JS-1001:181	0462-201-16141			29-10-3
2	0348	=F10+L10-L1:1	0462-201-16141			29-10-3

-JS-1107

Wedge Lock: W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0340	=F10+L10-JS-1001:192	0462-201-16141			29-10-4
2	0349	=F10+L10-L1:1	0462-201-16141			29-10-4

-JS-1100

Wedge Lock: W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0338	=F10+L10-JS-1001:125	0460-202-16141			29-2-3
2	0344	=F10+L10-L1:1	0460-202-16141			29-2-3

-JS-1101

Wedge Lock: W2S

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0339	=F10+L10-JS-1001:150	0462-201-16141			29-2-4
2	0345	=F10+L10-L1:1	0462-201-16141			29-2-4

-R2

CHASSIS SIDE MOUNTING

CHASSIS SIDE MOUNTING

PIN	WIRE ID	DESTINATION	TERMINAL	TERM.SEAL	CAVITY PLUG	CROSS-REF

-SP-1003

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	38; 0059	=F10+L10-JS-1002:246; =F10+L10-BS-045:10			09-7-2
2	42	=F10+L10-BP-001:21			

-SP-1004

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0089; 0095; 0098	=F10+L10-BS-041:14; =F10+L10-BS-041:20; =F10+L10-BS-041:23			13-5-4
2	0099	=F10+L10-JS-1076:B			

-SP-1005

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	37; 0058	=F10+L10-JS-1002:207; =F10+L10-BS-045:9			09-8-3
2	43	=F10+L10-BP-001:16			

-SP-1006

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0044	=F10+L10-BS-046:4			10-6-3
2	0056; 0045	=F10+L10-BS-040:M; =F10+L10-JS-1001:161			

-SP-1007

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	240	=F10+L10-BS-046:2			22-5-4
2	234; 0119	=F10+L10-JS-1001:194; =F10+L10-JS-1009:93			

-SP-1008

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0271; 0277	=F10+L10-JS-1008:17; =F10+L10-JS-1019:2		Splice	30-3-3
2	0274	=F10+L10-JS-1018:1		Splice	

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110	E

SCALE	1:1	CHASSIS HARNESS	SHEET NO.	58

-SP-1014

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0432; 433; 114	=F10+L10-BP-001:47; =F10+L10-BS-006:20; =F10+L10-BS-041:29			37-7-3
2	434; 435; 480; 481; 353	=F10+L10-BS-007 (I/O):7; =F10+L10-BS-040:G; =F10+L10-BS-045:5; =F10+L10-JS-1002:210; =F10+L10-JS-1109:8			

-SP-1015

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0443; 445; 449; 441	=F10+L10-BP-001:53; =F10+L10-BS-006:18; =F10+L10-BS-046:9; =F10+L10-JS-1002:211			38-5-2
2	447; 0423	=F10+L10-BS-007 (I/O):9; =F10+L10-BS-045:7			

-SP-1016

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0444; 446; 442; 450	=F10+L10-BP-001:52; =F10+L10-BS-006:17; =F10+L10-JS-1002:224; =F10+L10-BS-046:5			38-6-4
2	448; 0424	=F10+L10-BS-007 (I/O):3; =F10+L10-BS-045:8			

-SP-1017

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0467; 469	=F10+L10-BP-001:50; =F10+L10-BS-045:3			39-8-2
2	471; 282	=F10+L10-BS-015:A; =F10+L10-SP-1019:2			

-SP-1018

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0468; 470	=F10+L10-BP-001:51; =F10+L10-BS-045:4			39-7-2
2	472; 283	=F10+L10-BS-015:B; =F10+L10-SP-1020:2			

-SP-1019

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	473	=F10+L10-JS-1008:7			40-6-2
2	477; 282; 455	=F10+L10-JS-1002:209; =F10+L10-SP-1017:2; =F10+L10-BS-007 (I/O):8			

-SP-1021

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	488; 425	=F10+L10-BS-007 (I/O):4; =F10+L10-BS-045:1			41-5-2
2	486; 484	=F10+L10-BS-006:3; =F10+L10-JS-1002:216			

-SP-1022

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	489; 0437	=F10+L10-BS-007 (I/O):10; =F10+L10-BS-045:2			41-7-2
2	485; 0487	=F10+L10-JS-1002:229; =F10+L10-BS-006:4			

-SP-1023

PIN	WIRE ID	DESTINATION	TERMINAL	TERM. SEAL	CROSS-REF
1	0039	=F10+L10-BP-001:22		Splice	09-4-3
2	0014; 0015	=F10+L10-BS-015:C; =F10+L10-BS-015:D			

-JS-1109

B-Pillar HRI

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
6	427	=F10+L10-SP-1011:1	330122002			36-2-5
5	430	=F10+L10-SP-1012:1	330122002			36-2-5
8	353	=F10+L10-SP-1014:2	330122002			37-2-6
7	354	=F10+L10-SP-1013:2	330122002			37-2-6
1					34345-0001	
2					34345-0001	
12	230	=F10+L10-JS-1109:10	330122002			36-2-5
11	231	=F10+L10-JS-1109:9	330122002			36-2-5
10	230	=F10+L10-JS-1109:12	330122002			36-2-5
9	231	=F10+L10-JS-1109:11	330122002			36-2-5
3					34345-0001	
4					34345-0001	

-JS-0901

Top Link Sensor

Top Link Sensor

PIN	WIRE ID	DESTINATION	TERMINAL	TERM.SEAL	CAVITY PLUG	CROSS-REF
1	0375	=F10+L10-JS-1002:221				32-2-6
2	0160	=F10+L10-SP-1025:2				32-2-6
3	0351	=F10+L10-JS-1076:D				32-2-6
4	0161	=F10+L10-SP-1025:2				32-2-6

-SP-1024

Pin	Wire ID	Destination	Terminal	Ter. Seal	Cavity Plug	Cross-ref
1	0490	=F10+L10-JS-1073:L	Splice			08-7-2
2	0025; 0028	=F10+L10-JS-1002:258; =F10+L10-JS-1002:257	Splice			

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE B | JOB NO. | DRAWING NO. W0110 Chassis | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 59

BK-4

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
245	Roof GND 4	1	BS-007 (P)	4	BK	4 (AWG)	Roof_GND	CHASSIS HARNESS

BK-8

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0407	BP-029	1	L3	1	BK	8 (AWG)	ISOBus_GND_60A	CHASSIS HARNESS

BK-12

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0408	BP-029	2	L3	1	BK	12 (AWG)	ISOBus_GND_ECU	CHASSIS HARNESS

BK-14

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0122	JS-1009	114	L2	1	BK	14 (AWG)	PGND	CHASSIS HARNESS
0120	JS-1009	115	L2	1	BK	14 (AWG)	PGND	CHASSIS HARNESS

BK-16

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0121	JS-1008	2	L2	1	BK	16 (AWG)	PGND	CHASSIS HARNESS
0123	JS-1008	4	L2	1	BK	16 (AWG)	PGND	CHASSIS HARNESS
0412	BP-044	1	L3	1	BK	16 (AWG)	GND	CHASSIS HARNESS
0125	JS-1008	5	L2	1	BK	16 (AWG)	PGND	CHASSIS HARNESS
0061	BP-001	30	JS-1075	F	BK	16 (AWG)	Emergency_Valve_GND	CHASSIS HARNESS

BK-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0153	BS-006	29	L2	1	BK	20 (AWG)	Steer Left Vavle GND	CHASSIS HARNESS
0066	JS-1062	2	JS-1075	A	BK	20 (AWG)	EmGND [Str/Brk_Shutdwn]	CHASSIS HARNESS

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
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SIZE B | JOB NO. | DRAWING NO. W0110 Chassis | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 60

-> BK-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0068	JS-1056	2	JS-1075	C	BK	20 (AWG)	EmGND [Imp_Recirc]	CHASSIS HARNESS
0069	JS-1061	2	JS-1075	D	BK	20 (AWG)	EmGND [Aux_Bypass]	CHASSIS HARNESS
0020	BS-015	L	L1	1	BK	20 (AWG)	Contactor II GND	CHASSIS HARNESS
0154	BS-006	33	L2	1	BK	20 (AWG)	Steer Right Vavle GND	CHASSIS HARNESS
0030	BS-040	J	L2	1	BK	20 (AWG)	KEYPAD GND	CHASSIS HARNESS
0137	BS-040	L	L2	1	BK	20 (AWG)	Left Foot Light GND	CHASSIS HARNESS
0018	BS-015	J	L1	1	BK	20 (AWG)	Contactor I GND	CHASSIS HARNESS
0046	JS-1001	118	L1	1	BK	20 (AWG)	BAT-	CHASSIS HARNESS
0140	BS-040	P	L2	1	BK	20 (AWG)	Left Tail Light GND	CHASSIS HARNESS
1	JS-1402	2	L1	1	BK	20 (AWG)	FWD FPRWARD VALVE GND	CHASSIS HARNESS
0293	JS-1059	2	JS-1075	E	BK	20 (AWG)	GND	CHASSIS HARNESS
428	BS-040	C	SP-1012	1	BK	20 (AWG)	LeftFender_HRI_GND	CHASSIS HARNESS
421	BP-001	58	SP-1012	2	BK	20 (AWG)	HRI_GND	CHASSIS HARNESS
429	BS-041	3	SP-1012	1	BK	20 (AWG)	RightFender_HRI_GND	CHASSIS HARNESS
0142	BS-006	31	JS-1002	252	BK	20 (AWG)	STEER SAFETY VALVE GND	CHASSIS HARNESS
0487	BS-006	4	SP-1022	2	BK	20 (AWG)	Front_Sensor_Aux_CAN_L	CHASSIS HARNESS
401	L4 Ground Lug	1	BS-006	2	BK	20 (AWG)	Front_Sensor_GND	CHASSIS HARNESS
404	BS-006	9	L4 Ground Lug	1	BK	20 (AWG)	Ehi_Safety_Valve_GND	CHASSIS HARNESS
0241	BS-046	11	L4 Ground Lug	1	BK	20 (AWG)	Gen559_GND	CHASSIS HARNESS
0242	BS-046	7	L4 Ground Lug	1	BK	20 (AWG)	PE_Pump_GND	CHASSIS HARNESS
0139	BS-041	31	L2	1	BK	20 (AWG)	Right Foot Light GND	CHASSIS HARNESS
483	BP-029	9	BS-007 (I/O)	11	BK	20 (AWG)	CAN1_LOOP_L [ISOBUS_RIMP]	CHASSIS HARNESS
489	BS-007 (I/O)	10	SP-1022	1	BK	20 (AWG)	CAN1_L [ROOF_Aux]	CHASSIS HARNESS
0136	BS-041	27	L2	1	BK	20 (AWG)	Right Tail Light GND	CHASSIS HARNESS
485	JS-1002	229	SP-1022	2	BK	20 (AWG)	CAN4 Lo [Aux_CAN_L]	CHASSIS HARNESS
2	JS-1110	2	L1	1	BK	20 (AWG)	TOP LINK PRESSURE RELEASE VALVE GND	CHASSIS HARNESS
0400	JS-1012	2	L3	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0399	JS-1055	2	L3	1	BK	20 (AWG)	GND	CHASSIS HARNESS

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
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SIZE B | JOB NO. | DRAWING NO. W0110 Chassis | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 61

-> BK-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0385	JS-1069	2	L3	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0384	JS-1070	2	L3	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0048	JS-1001	120	L1	1	BK	20 (AWG)	BAT-	CHASSIS HARNESS
0049	JS-1001	121	L1	1	BK	20 (AWG)	BAT-	CHASSIS HARNESS
0050	JS-1001	142	L1	1	BK	20 (AWG)	BAT-	CHASSIS HARNESS
0051	JS-1001	143	L1	1	BK	20 (AWG)	BAT-	CHASSIS HARNESS
0052	JS-1001	144	L1	1	BK	20 (AWG)	BAT-	CHASSIS HARNESS
0053	JS-1001	145	L1	1	BK	20 (AWG)	BAT-	CHASSIS HARNESS
0047	JS-1001	119	L1	1	BK	20 (AWG)	BAT-	CHASSIS HARNESS
430	JS-1109	5	SP-1012	1	BK	20 (AWG)	BPillar_HRI_GND	CHASSIS HARNESS
0235	BS-046	3	L4 Ground Lug	1	BK	20 (AWG)	Gen559_GND	CHASSIS HARNESS
402	BS-006	10	L4 Ground Lug	1	BK	20 (AWG)	Ehi_GND	CHASSIS HARNESS
0437	BS-045	2	SP-1022	1	BK	20 (AWG)	Roof_CAN4_L	CHASSIS HARNESS
0409	BP-029	7	L3	1	BK	20 (AWG)	ISOBus_GND_TBC	CHASSIS HARNESS
0328	JS-1046	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0329	JS-1047	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0327	JS-1048	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0326	JS-1049	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0308	JS-1050	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0309	JS-1051	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0363	JS-1042	2	L2	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0364	JS-1043	2	L2	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0365	JS-1044	2	L2	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0366	JS-1045	2	L2	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0310	JS-1052	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0311	JS-1053	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0294	JS-1057	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0292	JS-1058	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE B | JOB NO. | DRAWING NO. W0110 Chassis | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 62

-> BK-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0291	JS-1060	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0344	JS-1100	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0345	JS-1101	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0346	JS-1103	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0347	JS-1104	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0348	JS-1105	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0349	JS-1107	2	L1	1	BK	20 (AWG)	GND	CHASSIS HARNESS
0253	JS-1403	2	L1	1	BK	20 (AWG)	FWD Reverse Valve GND	CHASSIS HARNESS

BN-16

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
413	BP-001	27	BP-044	3	BN	16 (AWG)	Trailer_Left_Turn	CHASSIS HARNESS
415	BP-044	6	BP-001	41	BN	16 (AWG)	Trailer_Taillight	CHASSIS HARNESS
419	BP-044	4	BP-001	42	BN	16 (AWG)	Trailer_Brake_Light	CHASSIS HARNESS
416	BP-044	5	BP-001	26	BN	16 (AWG)	Trailer_Right_Turn	CHASSIS HARNESS
417	BP-044	7	BP-001	24	BN	16 (AWG)	Trailer_Acc	CHASSIS HARNESS

BN-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0064	JS-1001	184	JS-1056	1	BN	20 (AWG)	Implement_Recirculation_Valve	CHASSIS HARNESS
0290	JS-1001	190	JS-1059	1	BN	20 (AWG)	Lubrication_Valve	CHASSIS HARNESS
0065	JS-1001	193	JS-1061	1	BN	20 (AWG)	Auxiliary_Bypass_Valve	CHASSIS HARNESS
0339	JS-1001	150	JS-1101	1	BN	20 (AWG)	3-Point Left_Raise_Pres_Tank_Valve	CHASSIS HARNESS
0062	JS-1001	157	JS-1062	1	BN	20 (AWG)	Steering/Brake_Shutdown_Valve	CHASSIS HARNESS
0341	JS-1001	168	JS-1103	1	BN	20 (AWG)	Rear_Aux_Valve_2Float	CHASSIS HARNESS
0342	JS-1001	174	JS-1104	1	BN	20 (AWG)	3-Point Left_Raise_On_Off_Valve	CHASSIS HARNESS
0338	JS-1001	125	JS-1100	1	BN	20 (AWG)	3-Point Left_Lower_Pres_Tank_Valve	CHASSIS HARNESS
0340	JS-1001	192	JS-1107	1	BN	20 (AWG)	Rear_Aux_Valve_1Float	CHASSIS HARNESS

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE B | JOB NO. | DRAWING NO. W0110 Chassis | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 63

-> BN-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0101	BS-006	25	JS-1001	104	BN	20 (AWG)	Steer_Left_Angle	CHASSIS HARNESS
0383	JS-1001	169	JS-1069	1	BN	20 (AWG)	TopLink_Extend_Control_Valve	CHASSIS HARNESS
0398	JS-1001	160	JS-1055	1	BN	20 (AWG)	Implement_Constant_Flow_Valve	CHASSIS HARNESS
0396	JS-1001	102	JS-1012	1	BN	20 (AWG)	Work_Pump_Displacement_Valve	CHASSIS HARNESS
0382	JS-1001	196	JS-1070	1	BN	20 (AWG)	TopLink_Retract_Control_Valve	CHASSIS HARNESS
246	JS-1001	101	JS-1403	1	BN	20 (AWG)	FWD_Reverse_Valve_12V	CHASSIS HARNESS
3	JS-1001	172	JS-1402	1	BN	20 (AWG)	FWD_FORWARD_VALVE_12V	CHASSIS HARNESS
0287	JS-1001	166	JS-1060	1	BN	20 (AWG)	Trans_Flow_Control_Valve	CHASSIS HARNESS
0325	JS-1001	186	JS-1049	1	BN	20 (AWG)	3-Point_Right_Raise_Pres._Tank_Valve	CHASSIS HARNESS
0323	JS-1001	162	JS-1048	1	BN	20 (AWG)	3-Point_Right_Raise_On_Off_Valve	CHASSIS HARNESS
0322	JS-1001	159	JS-1046	1	BN	20 (AWG)	3-Point_Right_Lower_On_Off_Valve	CHASSIS HARNESS
0324	JS-1001	183	JS-1047	1	BN	20 (AWG)	3-Point_Right_Lower_Pres._Tank_Valve	CHASSIS HARNESS
0289	JS-1001	187	JS-1057	1	BN	20 (AWG)	PTO_Clutch_Valve	CHASSIS HARNESS
0359	JS-1001	153	JS-1042	1	BN	20 (AWG)	Rear_Aux_Valve_2A	CHASSIS HARNESS
0361	JS-1001	177	JS-1043	1	BN	20 (AWG)	Rear_Aux_Valve_2B	CHASSIS HARNESS
0360	JS-1001	156	JS-1044	1	BN	20 (AWG)	Rear_Aux_Valve_1A	CHASSIS HARNESS
0362	JS-1001	180	JS-1045	1	BN	20 (AWG)	Rear_Aux_Valve_1B	CHASSIS HARNESS
4	JS-1008	61	JS-1110	1	BN	20 (AWG)	TOP LINK PRESSURE RELEASE VALVE SIGNAL	CHASSIS HARNESS
0343	JS-1001	181	JS-1105	1	BN	20 (AWG)	3-Point Left_Lower_On_Off_Valve	CHASSIS HARNESS
0286	JS-1001	163	JS-1058	1	BN	20 (AWG)	Drive Clutch Valve	CHASSIS HARNESS

BN-22

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0255	JS-1002	254	JS-1097	6	BN	22 (AWG)	Brake_Pedal_Signal	CHASSIS HARNESS

BU-12

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0106	BS-012	G	JS-1009	117	BU	12 (AWG)	RANG MOTOR PWR-	CHASSIS HARNESS

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110 Chassis	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 64

-> BU-12

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0105	BS-012	E	JS-1009	118	BU	12 (AWG)	GEAR MOTOR PWR-	CHASSIS HARNESS

BU-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
431	JS-1002	210	SP-1014	2	BU	20 (AWG)	CAN1 Lo [Main_CAN_L]	CHASSIS HARNESS
114	BS-041	29	SP-1014	1	BU	20 (AWG)	Right_Fender_Can_L	CHASSIS HARNESS
0071	JS-0905	3	JS-1008	32	BU	20 (AWG)	OCCUPANCY_SENSOR	CHASSIS HARNESS
433	BS-006	20	SP-1014	1	BU	20 (AWG)	In_Main_CAN_L	CHASSIS HARNESS
0096	BS-041	21	JS-1001	182	BU	20 (AWG)	Joystick Thumbwheel	CHASSIS HARNESS
0094	BS-041	19	JS-1001	188	BU	20 (AWG)	Joystick_ButtonB	CHASSIS HARNESS
353	JS-1109	8	SP-1014	2	BU	20 (AWG)	HRI CAN LOW	CHASSIS HARNESS
434	BS-007 (I/O)	7	SP-1014	2	BU	20 (AWG)	ROOF_Main_CAN_L	CHASSIS HARNESS
0432	BP-001	47	SP-1014	1	BU	20 (AWG)	CAN_MAIN_LOW	CHASSIS HARNESS
0355	JS-1001	111	JS-1020	B	BU	20 (AWG)	Rear_Aux_Pressure_2A	CHASSIS HARNESS
0356	JS-1001	112	JS-1022	B	BU	20 (AWG)	Rear_Aux_Pressure_1A	CHASSIS HARNESS
0357	JS-1001	135	JS-1021	B	BU	20 (AWG)	Rear_Aux_Pressure_2B	CHASSIS HARNESS
0358	JS-1001	136	JS-1023	B	BU	20 (AWG)	Rear_Aux_Pressure_1B	CHASSIS HARNESS
0321	JS-1001	138	JS-1027	B	BU	20 (AWG)	3-Point_Right_Lower_Pressure	CHASSIS HARNESS
0318	JS-1001	113	JS-1024	B	BU	20 (AWG)	3-Point_Left_Raise_Pressure	CHASSIS HARNESS
0319	JS-1001	114	JS-1026	B	BU	20 (AWG)	3-Point_Right_Raise_Pressure	CHASSIS HARNESS
0301	JS-1001	117	JS-1028	B	BU	20 (AWG)	Left_Brake_Pressure	CHASSIS HARNESS
0302	JS-1001	141	JS-1029	B	BU	20 (AWG)	Right_Brake_Pressure	CHASSIS HARNESS
0303	JS-1001	147	JS-1033	B	BU	20 (AWG)	Brake/Steer_Accumulator_Pressure	CHASSIS HARNESS
0307	JS-1001	195	JS-1050	1	BU	20 (AWG)	Brake_Left_Release_Valve	CHASSIS HARNESS
0305	JS-1001	171	JS-1051	1	BU	20 (AWG)	Brake_Left_Set_Valve	CHASSIS HARNESS
0304	JS-1001	154	JS-1052	1	BU	20 (AWG)	Brake_Right_Release_Valve	CHASSIS HARNESS
0306	JS-1001	178	JS-1053	1	BU	20 (AWG)	Brake_Right_Set_Valve	CHASSIS HARNESS
0284	JS-1001	124	JS-1034	B	BU	20 (AWG)	Trans_Accumulator_Pressure	CHASSIS HARNESS

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE B | JOB NO. | DRAWING NO. W0110 Chassis | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 65

-> BU-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0285	JS-1001	149	JS-1036	B	BU	20 (AWG)	PTO_Clutch_Pressure	CHASSIS HARNESS
0288	JS-1001	173	JS-1037	B	BU	20 (AWG)	Drive_Clutch_Pressure	CHASSIS HARNESS
0352	JS-1001	127	JS-1011	C	BU	20 (AWG)	Work_Pump_Pos_Sense	CHASSIS HARNESS
0394	JS-1001	122	JS-1030	B	BU	20 (AWG)	Aux_Pump_Pressure	CHASSIS HARNESS
0395	JS-1001	148	JS-1035	B	BU	20 (AWG)	Implement_On/Off_Pressure	CHASSIS HARNESS
0381	JS-1001	176	JS-1067	B	BU	20 (AWG)	TopLink_Extend_Pressure	CHASSIS HARNESS
0380	JS-1001	155	JS-1068	B	BU	20 (AWG)	TopLink_Retract_Pressure	CHASSIS HARNESS
247	JS-1001	152	JS-1401	B	BU	20 (AWG)	FWD_Oil_Press_Signal	CHASSIS HARNESS
0145	BS-006	22	JS-1001	116	BU	20 (AWG)	Left_Pressure_Signal	CHASSIS HARNESS
0152	BS-006	23	JS-1001	140	BU	20 (AWG)	Right_Pressure_Signal	CHASSIS HARNESS
435	BS-040	G	SP-1014	2	BU	20 (AWG)	Left_Fender_CAN_L	CHASSIS HARNESS
480	BS-045	5	SP-1014	2	BU	20 (AWG)	CAN2_L	CHASSIS HARNESS
0320	JS-1001	137	JS-1025	B	BU	20 (AWG)	3-Point_Left_Lower_Pressure	CHASSIS HARNESS

BU-22

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0269	JS-1008	15	JS-1018	5	BU	22 (AWG)	LeftBrake_Signal_2_Ecotron	CHASSIS HARNESS
0268	JS-1008	16	JS-1019	6	BU	22 (AWG)	RightBrake_Signal_2_Ecotron	CHASSIS HARNESS
231	JS-1109	11	JS-1109	9	BU	22 (AWG)	BPillar_HRI_Jumper_Wire_2	CHASSIS HARNESS
0266	JS-1001	123	JS-1038	2	BU	22 (AWG)	Suct_Line_Pressure	CHASSIS HARNESS

GN-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
282	SP-1017	2	SP-1019	2	GN	20 (AWG)	CAN_LOW	CHASSIS HARNESS
0146	JS-1001	108	SP-1025	1	GN	20 (AWG)	Top_Link_Position_Feedback	CHASSIS HARNESS
0034	BP-001	9	JS-1001	106	GN	20 (AWG)	HAND_THROTTLE_CH1	CHASSIS HARNESS
0131	BS-040	D	JS-1008	62	GN	20 (AWG)	LEFT TAIL LIGHT BRAKE	CHASSIS HARNESS
469	BS-045	3	SP-1017	1	GN	20 (AWG)	CAN_3_L	CHASSIS HARNESS

X ± 03

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Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
www.monarchtractor.com

SIZE B | JOB NO. | DRAWING NO. W0110 Chassis | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 66

-> GN-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
455	BS-007 (I/O)	8	SP-1019	2	GN	20 (AWG)	ROOF_Power_CAN_L	CHASSIS HARNESS
471	BS-015	A	SP-1017	2	GN	20 (AWG)	Power_CAN3_L	CHASSIS HARNESS
477	JS-1002	209	SP-1019	2	GN	20 (AWG)	CAN0 Lo [Power_CAN_L]	CHASSIS HARNESS
0075	BS-041	5	JS-1002	239	GN	20 (AWG)	3Point_Control_Singal	CHASSIS HARNESS
0092	BS-041	17	JS-1001	164	GN	20 (AWG)	Joystick_Trigger	CHASSIS HARNESS
0085	BS-041	9	JS-1002	251	GN	20 (AWG)	PTO_On/Off_Switch_NO	CHASSIS HARNESS
473	JS-1008	7	SP-1019	1	GN	20 (AWG)	CAN B_L	CHASSIS HARNESS
0090	BS-041	15	JS-1001	179	GN	20 (AWG)	Joystick X-Axis	CHASSIS HARNESS
0467	BP-001	50	SP-1017	1	GN	20 (AWG)	Roof_CAN_Power_Low	CHASSIS HARNESS
0075	JS-0905	6	JS-1008	33	GN	20 (AWG)	SEATBELT_SENSOR	CHASSIS HARNESS
0243	JS-1001	151	JS-1013	A	GN	20 (AWG)	FWD_Direction	CHASSIS HARNESS
0110	BS-012	P	JS-1008	9	GN	20 (AWG)	GEAR _POS_ ENCODER	CHASSIS HARNESS
0108	BS-012	K	JS-1008	10	GN	20 (AWG)	RANGE_POS_ ENCODER	CHASSIS HARNESS

GN-22

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0265	JS-1001	110	JS-1018	6	GN	22 (AWG)	3Point_Articulation_Angle_LH	CHASSIS HARNESS
0270	JS-1001	134	JS-1019	5	GN	22 (AWG)	3Point_Articulation_Angle_RH	CHASSIS HARNESS
0264	JS-1001	109	JS-1017	6	GN	22 (AWG)	RightBrake_Rotation_Position	CHASSIS HARNESS
0267	JS-1001	132	JS-1016	6	GN	22 (AWG)	LeftBrake_Rotation_Position	CHASSIS HARNESS
0072	JS-1001	107	JS-1015	4	GN	22 (AWG)	Foot_Throttle_CH1	CHASSIS HARNESS
0160	JS-0901	2	SP-1025	2	GN	22 (AWG)	Top_Link_Position_Feedback	CHASSIS HARNESS
0161	JS-0901	4	SP-1025	2	GN	22 (AWG)	Top_Link_Position_Feedback	CHASSIS HARNESS
0124	JS-1008	11	JS-1085	6	GN	22 (AWG)	Rear_Right_Wheel_Speed_Sensor	CHASSIS HARNESS

GY-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
481	BS-045	6	SP-1013	2	GY	20 (AWG)	CAN2_H	CHASSIS HARNESS

X ± 03

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Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
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SIZE B | JOB NO. | DRAWING NO. W0110 Chassis | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 67

-> GY-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
439	BS-007 (I/O)	1	SP-1013	2	GY	20 (AWG)	ROOF_Main_CAN_H	CHASSIS HARNESS
486	BS-006	3	SP-1021	2	GY	20 (AWG)	Front_Sensor_Aux_CAN_H	CHASSIS HARNESS
0386	JS-1011	B	JS-1076	G	GY	20 (AWG)	sGND [Work_Pump_Pos]	CHASSIS HARNESS
0387	JS-1030	C	JS-1076	H	GY	20 (AWG)	sGND [Work_Pump_Psi]	CHASSIS HARNESS
0389	JS-1035	C	JS-1076	K	GY	20 (AWG)	sGND [Imp_On/Off]	CHASSIS HARNESS
470	BS-045	4	SP-1018	1	GY	20 (AWG)	CAN_3_H	CHASSIS HARNESS
484	JS-1002	216	SP-1021	2	GY	20 (AWG)	CAN4 Hi [Aux_CAN_H]	CHASSIS HARNESS
488	BS-007 (I/O)	4	SP-1021	1	GY	20 (AWG)	CAN1_H [ROOF_Aux]	CHASSIS HARNESS
0297	JS-1037	C	JS-1079	A	GY	20 (AWG)	sGND[Drive_Clutch]	CHASSIS HARNESS
0295	JS-1034	C	JS-1079	C	GY	20 (AWG)	sGND[Trans_Accum_psi]	CHASSIS HARNESS
0313	JS-1033	C	JS-1079	E	GY	20 (AWG)	sGND [Brake_Accum]	CHASSIS HARNESS
0314	JS-1029	C	JS-1079	D	GY	20 (AWG)	sGND [Brake_R]	CHASSIS HARNESS
0312	JS-1028	C	JS-1079	F	GY	20 (AWG)	sGND [Brake_L]	CHASSIS HARNESS
0332	JS-1024	C	JS-1079	H	GY	20 (AWG)	sGND [3P_Lower_R]	CHASSIS HARNESS
0333	JS-1025	C	JS-1079	G	GY	20 (AWG)	sGND [3P_Raise_R]	CHASSIS HARNESS
0228	JS-1074	B	JS-1076	C	GY	20 (AWG)	sGND	CHASSIS HARNESS
456	BS-007 (I/O)	2	SP-1020	2	GY	20 (AWG)	ROOF_Power_CAN_H	CHASSIS HARNESS
0330	JS-1026	C	JS-1079	K	GY	20 (AWG)	sGND [3P_Lower_L]	CHASSIS HARNESS
0331	JS-1027	C	JS-1079	J	GY	20 (AWG)	sGND [3P_Raise_L]	CHASSIS HARNESS
482	BP-029	8	BS-007 (I/O)	5	GY	20 (AWG)	CAN1_LOOP_H [ISOBUS_RIMP]	CHASSIS HARNESS
0022	BS-015	N	JS-1076	A	GY	20 (AWG)	Temp Sensor GND	CHASSIS HARNESS
0089	BS-041	14	SP-1004	1	GY	20 (AWG)	Joystick sGND	CHASSIS HARNESS
0099	JS-1076	B	SP-1004	2	GY	20 (AWG)	sGND_3	CHASSIS HARNESS
448	BS-007 (I/O)	3	SP-1016	2	GY	20 (AWG)	ROOF_CANA_H	CHASSIS HARNESS
0492	BS-006	8	JS-1073	M	GY	20 (AWG)	Front_Frame_Sensor_GND	CHASSIS HARNESS
472	BS-015	B	SP-1018	2	GY	20 (AWG)	Power_CAN3_H	CHASSIS HARNESS
0369	JS-1022	C	JS-1074	E	GY	20 (AWG)	sGND [Rear_Aux_1A]	CHASSIS HARNESS
0368	JS-1021	C	JS-1074	F	GY	20 (AWG)	sGND [Rear_Aux_2B]	CHASSIS HARNESS

X ± 03

XXX ± 005

Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
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SIZE B | JOB NO. | DRAWING NO. W0110 Chassis | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 68

-> GY-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0370	JS-1023	C	JS-1074	D	GY	20 (AWG)	sGND [Rear_Aux_1B]	CHASSIS HARNESS
0367	JS-1020	C	JS-1074	G	GY	20 (AWG)	sGND [Rear_Aux_2A]	CHASSIS HARNESS
478	JS-1002	222	SP-1020	2	GY	20 (AWG)	CAN0 Hi [Power_CAN_H]	CHASSIS HARNESS
474	JS-1008	6	SP-1020	1	GY	20 (AWG)	CAN B_H	CHASSIS HARNESS
0033	BP-001	10	JS-1001	130	GY	20 (AWG)	HAND_THROTTLE_CH2	CHASSIS HARNESS
0296	JS-1036	C	JS-1079	B	GY	20 (AWG)	sGND[PTO_Clutch]	CHASSIS HARNESS
0377	JS-1067	C	JS-1076	F	GY	20 (AWG)	sGND[Top_Link_Extend]	CHASSIS HARNESS
0376	JS-1068	C	JS-1076	E	GY	20 (AWG)	sGND[Top_Link_Retract]	CHASSIS HARNESS
0433	BP-001	46	SP-1013	1	GY	20 (AWG)	CAN_MAIN_HIGH	CHASSIS HARNESS
0229	JS-1074	K	JS-1079	L	GY	20 (AWG)	sGND	CHASSIS HARNESS
0084	BS-041	10	JS-1002	238	GY	20 (AWG)	PTO_On/Off_Switch_NC	CHASSIS HARNESS
0087	BS-041	8	SP-1002	2	GY	20 (AWG)	PTO-sGND	CHASSIS HARNESS
0095	SP-1004	1	BS-041	20	GY	20 (AWG)	Joystick_Button_sGND	CHASSIS HARNESS
0098	SP-1004	1	BS-041	23	GY	20 (AWG)	Joystick_Thumbwheel_sGND	CHASSIS HARNESS
0086	BS-041	7	SP-1002	2	GY	20 (AWG)	3pt_sGND	CHASSIS HARNESS
0099	BS-041	24	SP-1002	2	GY	20 (AWG)	3pt_Deadman_sGND	CHASSIS HARNESS
0249	JS-1076	M	JS-1401	C	GY	20 (AWG)	FWD_Man_Press_sGND	CHASSIS HARNESS
0251	JS-1013	D	JS-1073	A	GY	20 (AWG)	sGND	CHASSIS HARNESS
0077	BS-041	4	JS-1001	103	GY	20 (AWG)	3Point_Deadman	CHASSIS HARNESS
0151	BS-006	34	JS-1008	58	GY	20 (AWG)	Steering_Sensor_sGND	CHASSIS HARNESS
436	JS-1002	223	SP-1013	2	GY	20 (AWG)	CAN1 Hi [Main_CAN_H]	CHASSIS HARNESS
446	BS-006	17	SP-1016	1	GY	20 (AWG)	In_Redun_CAN_H	CHASSIS HARNESS
113	BS-041	28	SP-1013	1	GY	20 (AWG)	Right_Fender_CAN_H	CHASSIS HARNESS
0351	JS-0901	3	JS-1076	D	GY	20 (AWG)	sGND[Top_Link_Position]	CHASSIS HARNESS
425	BS-045	1	SP-1021	1	GY	20 (AWG)	Roof_CAN4_H	CHASSIS HARNESS
0102	JS-1002	256	JS-1074	M	GY	20 (AWG)	TTC580_sGND	CHASSIS HARNESS
354	JS-1109	7	SP-1013	2	GY	20 (AWG)	HRI CAN HIGH	CHASSIS HARNESS
0468	BP-001	51	SP-1018	1	GY	20 (AWG)	Roof_CAN_Power_High	CHASSIS HARNESS

X ± 03

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Monarch Tractor
203 Lawrence Drive
Livermore CA, 94551
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SIZE	JOB NO.	DRAWING NO.	REV.
B		W0110 Chassis	E
SCALE 1:1		CHASSIS HARNESS	SHEET NO. 69

-> GY-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
283	SP-1018	2	SP-1020	2	GY	20 (AWG)	CAN_HIGH	CHASSIS HARNESS
440	BS-040	F	SP-1013	2	GY	20 (AWG)	Left_Fender_CAN_H	CHASSIS HARNESS
450	BS-046	5	SP-1016	1	GY	20 (AWG)	Gen5S9_Redun_CAN_H	CHASSIS HARNESS
442	JS-1002	224	SP-1016	1	GY	20 (AWG)	CAN2 Hi [Redun_CAN_H]	CHASSIS HARNESS
0100	JS-1074	C	SP-1002	1	GY	20 (AWG)	sGND_2	CHASSIS HARNESS
438	BS-006	19	SP-1013	1	GY	20 (AWG)	In_Main_CAN_H	CHASSIS HARNESS
0253	JS-1013	B	JS-1001	126	GY	20 (AWG)	FWD_Speed	CHASSIS HARNESS
0424	BS-045	8	SP-1016	2	GY	20 (AWG)	Roof_CAN1_H	CHASSIS HARNESS
0444	BP-001	52	SP-1016	1	GY	20 (AWG)	CAN_REDUN_HIGH	CHASSIS HARNESS
6	JS-0905	2	JS-1008	20	GY	20 (AWG)	GROUND	
0111	BS-012	J	JS-1008	18	GY	20 (AWG)	RANGE SENSOR GND	CHASSIS HARNESS
0112	BS-012	N	JS-1008	19	GY	20 (AWG)	GEAR SENSOR GND	CHASSIS HARNESS

GY-22

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0134	JS-1073	B	JS-1086	1	GY	22 (AWG)	SPEED SENSOR GND	CHASSIS HARNESS
0135	JS-1073	C	JS-1085	2	GY	22 (AWG)	SPEED SENSOR GND	CHASSIS HARNESS
0275	JS-1018	2	JS-1073	F	GY	22 (AWG)	sGND[3Point_L]	CHASSIS HARNESS
0274	JS-1018	1	SP-1008	2	GY	22 (AWG)	LeftBrake_GND_2_Ecotron	CHASSIS HARNESS
0271	JS-1008	17	SP-1008	1	GY	22 (AWG)	Ecotron_GND	CHASSIS HARNESS
0281	JS-1017	2	JS-1073	G	GY	22 (AWG)	RightBrake_GND_1_TTC580	CHASSIS HARNESS
0263	JS-1001	129	JS-1038	4	GY	22 (AWG)	Suct_Line_Temp	CHASSIS HARNESS
0025	JS-1002	258	SP-1024	2	GY	22 (AWG)	Sensor GND	CHASSIS HARNESS
0280	JS-1016	2	JS-1073	H	GY	22 (AWG)	LeftBrake_GND_1_TTC580	CHASSIS HARNESS
0278	JS-1019	1	JS-1073	E	GY	22 (AWG)	sGND[3Point_R]	CHASSIS HARNESS
0277	JS-1019	2	SP-1008	1	GY	22 (AWG)	RightBrake_GND_2_Ecotron	CHASSIS HARNESS
0081	JS-1015	2	JS-1073	K	GY	22 (AWG)	Sensor 1 GND	CHASSIS HARNESS
0080	JS-1015	5	JS-1073	J	GY	22 (AWG)	Sensor 2 GND	CHASSIS HARNESS

X ± 03

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Monarch Tractor
203 Lawrence Drive
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SIZE B | JOB NO. | DRAWING NO. W0110 Chassis | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 70

-> GY-22

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0027	JS-1002	245	JS-1074	H	GY	22 (AWG)	SENSOR GND	CHASSIS HARNESS
0028	JS-1002	257	SP-1024	2	GY	22 (AWG)	Sensor GND	CHASSIS HARNESS
0490	JS-1073	L	SP-1024	1	GY	22 (AWG)	SENSOR GND	CHASSIS HARNESS
0074	JS-1001	131	JS-1015	3	GY	22 (AWG)	Foot_Throttle_CH2	CHASSIS HARNESS
0273	JS-1038	1	JS-1073	D	GY	22 (AWG)	sGND [Suct_psi]	CHASSIS HARNESS
0256	JS-1074	A	JS-1097	2	GY	22 (AWG)	sGND [Brake_P]	CHASSIS HARNESS

OG-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0058	BS-045	9	SP-1005	1	OG	20 (AWG)	TTC580_IGN_IN	CHASSIS HARNESS
37	JS-1002	207	SP-1005	1	OG	20 (AWG)	TTC580_Ign_Out	CHASSIS HARNESS
43	BP-001	16	SP-1005	2	OG	20 (AWG)	TTC580_Ign	CHASSIS HARNESS
240	BS-046	2	SP-1007	1	OG	20 (AWG)	Gen5S9_Ign	CHASSIS HARNESS
41	BP-001	18	JS-1001	170	OG	20 (AWG)	mRFRM_Ign	CHASSIS HARNESS
0119	JS-1009	93	SP-1007	2	OG	20 (AWG)	Ecotron_Ign	CHASSIS HARNESS
0148	BS-006	26	JS-1008	14	OG	20 (AWG)	Steering_Left_Angle_Sensor	CHASSIS HARNESS
234	JS-1001	194	SP-1007	2	OG	20 (AWG)	Ecotron_Ign	CHASSIS HARNESS

RD-4

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
244	BP-001	43	BS-007 (P)	3	RD	4 (AWG)	ROOF_PWR_12V	CHASSIS HARNESS

RD-8

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
405	BP-029	3	BP-001	48	RD	8 (AWG)	ISObus_PWR_60A	CHASSIS HARNESS

X ± 03

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RD-12

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0104	BS-012	D	JS-1009	120	RD	12 (AWG)	GEAR MOTOR PWR+	CHASSIS HARNESS
0103	BS-012	B	JS-1009	119	RD	12 (AWG)	RANG MOTOR PWR+	CHASSIS HARNESS
406	BP-001	1	BP-029	4	RD	12 (AWG)	ISObus_PWR_ECU	CHASSIS HARNESS

RD-14

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0016	BP-001	23	BS-015	E	RD	14 (AWG)	PUMP_Power	CHASSIS HARNESS
34	BP-001	5	JS-1002	204	RD	14 (AWG)	TTC580_Power4	CHASSIS HARNESS
35	BP-001	6	JS-1002	205	RD	14 (AWG)	TTC580_Power5	CHASSIS HARNESS
33	BP-001	4	JS-1002	203	RD	14 (AWG)	TTC580_Power3	CHASSIS HARNESS
31	BP-001	2	JS-1002	201	RD	14 (AWG)	TTC580_Power1	CHASSIS HARNESS
32	BP-001	3	JS-1002	202	RD	14 (AWG)	TTC580_Power2	CHASSIS HARNESS
0039	SP-1023	1	BP-001	22	RD	14 (AWG)	Battery_Power_Line	CHASSIS HARNESS
36	BP-001	7	JS-1002	206	RD	14 (AWG)	TTC580_Power_6	CHASSIS HARNESS
0015	SP-1023	2	BS-015	D	RD	14 (AWG)	FAN_Power	CHASSIS HARNESS
0014	SP-1023	2	BS-015	C	RD	14 (AWG)	BCU_Power	CHASSIS HARNESS

RD-16

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
236	BP-001	44	BS-046	6	RD	16 (AWG)	PE_Pump_Power	CHASSIS HARNESS
0116	BP-001	13	JS-1009	121	RD	16 (AWG)	Ecotron_PWR_2	CHASSIS HARNESS
0117	BP-001	14	JS-1008	1	RD	16 (AWG)	Ecotron_PWR_3	CHASSIS HARNESS
0118	BP-001	15	JS-1008	3	RD	16 (AWG)	Ecotron_PWR_4	CHASSIS HARNESS
0115	BP-001	12	JS-1009	116	RD	16 (AWG)	Ecotron_PWR_1	CHASSIS HARNESS

RD-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0130	BS-041	26	JS-1008	23	RD	20 (AWG)	RIGHT TAIL LIGHT 12V PWR	CHASSIS HARNESS

X ± 03

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-> RD-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0138	BS-041	30	SP-1010	1	RD	20 (AWG)	LED FOOT LIGHT PWR 12	CHASSIS HARNESS
0134	BS-040	K	SP-1010	2	RD	20 (AWG)	LED FOOT LIGHT PWR 12V	CHASSIS HARNESS
0375	JS-0901	1	JS-1002	221	RD	20 (AWG)	VCC_12V	CHASSIS HARNESS
0143	BS-006	28	JS-1001	165	RD	20 (AWG)	STEER LEFT VALVE PWR 12V	CHASSIS HARNESS
0029	BP-001	35	BS-040	H	RD	20 (AWG)	KEYPAD PWR 12V	CHASSIS HARNESS
0149	BS-006	30	JS-1008	43	RD	20 (AWG)	STEER SAFETY VALVE +12V	CHASSIS HARNESS
237	BP-001	19	BS-046	1	RD	20 (AWG)	Gen5S9_Power_1	CHASSIS HARNESS
418	BP-029	6	BP-001	25	RD	20 (AWG)	ISOBus_TBC_PWR	CHASSIS HARNESS
410	BP-001	28	BS-006	1	RD	20 (AWG)	Front_Sensor_PWR	CHASSIS HARNESS
422	BS-040	A	SP-1011	1	RD	20 (AWG)	LeftFender_HRI_12V	CHASSIS HARNESS
426	BS-041	1	SP-1011	1	RD	20 (AWG)	RightFender_HRI_12V	CHASSIS HARNESS
420	BP-001	57	SP-1011	2	RD	20 (AWG)	HRI_12V	CHASSIS HARNESS
38	JS-1002	246	SP-1003	1	RD	20 (AWG)	TTC580_UBATT_Out	CHASSIS HARNESS
42	BP-001	21	SP-1003	2	RD	20 (AWG)	TTC580_UBATT	CHASSIS HARNESS
0133	JS-1008	60	SP-1010	1	RD	20 (AWG)	ECO_HIGH_SIDE_OUT	CHASSIS HARNESS
0129	BS-040	E	JS-1008	22	RD	20 (AWG)	LEFT TAIL LIGHT 12V PWR	CHASSIS HARNESS
0059	BS-045	10	SP-1003	1	RD	20 (AWG)	TTC580_IGN_OUT	CHASSIS HARNESS
0144	BS-006	32	JS-1001	189	RD	20 (AWG)	STEER RIGHT VALVE PWR 12V	CHASSIS HARNESS
0017	BS-015	H	JS-1001	167	RD	20 (AWG)	+ve contactor ctrl	CHASSIS HARNESS
0019	BS-015	K	JS-1001	191	RD	20 (AWG)	-ve contactor ctrl	CHASSIS HARNESS
427	JS-1109	6	SP-1011	1	RD	20 (AWG)	BPillar_HRI_12V	CHASSIS HARNESS
411	BP-001	29	BS-006	11	RD	20 (AWG)	Steering_Valve_PWR	CHASSIS HARNESS

VT-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0423	BS-045	7	SP-1015	2	VT	20 (AWG)	Roof_CAN1_L	CHASSIS HARNESS
0443	BP-001	53	SP-1015	1	VT	20 (AWG)	CAN_REDUN_LOW	CHASSIS HARNESS
0132	BS-041	25	JS-1008	81	VT	20 (AWG)	RIGHT TAIL LIGHT BRAKE	CHASSIS HARNESS

X ± 03

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-> VT-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0141	BS-006	27	JS-1001	128	VT	20 (AWG)	Steer_Right_Angle	CHASSIS HARNESS
0054	BP-001	31	BS-041	11	VT	20 (AWG)	HVIL_5	CHASSIS HARNESS
0056	BS-040	M	SP-1006	2	VT	20 (AWG)	HVIL_7	CHASSIS HARNESS
0044	BS-046	4	SP-1006	1	VT	20 (AWG)	HVIL_7	CHASSIS HARNESS
0063	JS-1001	133	SP-1001	2	VT	20 (AWG)	HVIL Sense	CHASSIS HARNESS
0055	BS-040	N	BS-041	12	VT	20 (AWG)	HVIL_6	CHASSIS HARNESS
0067	SP-1001	2	BS-015	G	VT	20 (AWG)	HVIL_9	CHASSIS HARNESS
0057	BS-015	F	BS-046	10	VT	20 (AWG)	HVIL_8	CHASSIS HARNESS
0060	BP-001	32	SP-1001	1	VT	20 (AWG)	HVIL_Valve_Control	CHASSIS HARNESS
447	BS-007 (I/O)	9	SP-1015	2	VT	20 (AWG)	ROOF_Redun_CAN_L	CHASSIS HARNESS
0147	BS-006	24	JS-1008	13	VT	20 (AWG)	Steering_Left_Angle_Sensor	CHASSIS HARNESS
445	BS-006	18	SP-1015	1	VT	20 (AWG)	In_Redun_CAN_L	CHASSIS HARNESS
441	JS-1002	211	SP-1015	1	VT	20 (AWG)	CAN2 Lo [Redun_CAN_L]	CHASSIS HARNESS
449	BS-046	9	SP-1015	1	VT	20 (AWG)	Gen5S9_Redun_CAN_L	CHASSIS HARNESS
0045	JS-1001	161	SP-1006	2	VT	20 (AWG)	HVIL_Fault_Det	CHASSIS HARNESS

WH-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0093	BS-041	18	JS-1001	185	WH	20 (AWG)	Joystick_ButtonA	CHASSIS HARNESS
0091	BS-041	16	JS-1001	158	WH	20 (AWG)	Joystick Y-Axis	CHASSIS HARNESS

YE-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0336	JS-1024	A	JS-1078	H	YE	20 (AWG)	5V [3P_Raise_R]	CHASSIS HARNESS
0403	JS-1071	L	JS-1078	L	YE	20 (AWG)	5V sensor	CHASSIS HARNESS
239	BS-046	8	JS-1001	175	YE	20 (AWG)	PE_Pump_PWM	CHASSIS HARNESS
0248	JS-1077	M	JS-1401	A	YE	20 (AWG)	FWD_Man_Press_5V	CHASSIS HARNESS
0335	JS-1027	A	JS-1078	J	YE	20 (AWG)	5V [3P_Lower_L]	CHASSIS HARNESS

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Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
5	JS-0905	1	JS-1008	28	YE	20 (AWG)	5V SIGNAL	
0150	BS-006	21	JS-1008	49	YE	20 (AWG)	Steering_5V_Sensor	CHASSIS HARNESS
0371	JS-1023	A	JS-1072	F	YE	20 (AWG)	5V [Rear_Aux_2A]	CHASSIS HARNESS
0476	JS-1072	G	JS-1077	L	YE	20 (AWG)	5V Sensor	CHASSIS HARNESS
0491	BS-006	7	JS-1072	H	YE	20 (AWG)	Front_Frame_Sensor_5V	CHASSIS HARNESS
0372	JS-1022	A	JS-1072	E	YE	20 (AWG)	5V [Rear_Aux_2B]	CHASSIS HARNESS
0373	JS-1021	A	JS-1072	D	YE	20 (AWG)	5V [Rear_Aux_1A]	CHASSIS HARNESS
0088	BS-041	13	JS-1077	A	YE	20 (AWG)	Joystick_5V	CHASSIS HARNESS
0374	JS-1020	A	JS-1072	C	YE	20 (AWG)	5V [Rear_Aux_1B]	CHASSIS HARNESS
0379	JS-1067	A	JS-1077	E	YE	20 (AWG)	5V[Top_link_Extend]	CHASSIS HARNESS
0378	JS-1068	A	JS-1077	D	YE	20 (AWG)	5V[Top_Link_Retract]	CHASSIS HARNESS
0097	BS-041	22	JS-1077	B	YE	20 (AWG)	Joystick_Thumbwheel_5V	CHASSIS HARNESS
0032	BP-001	40	JS-1071	M	YE	20 (AWG)	HAND_THROTTLE_5V_PWR2	CHASSIS HARNESS
0392	JS-1030	A	JS-1077	J	YE	20 (AWG)	5V [Work_Pump_Psi]	CHASSIS HARNESS
0316	JS-1033	A	JS-1078	E	YE	20 (AWG)	5V [Brake_Accum]	CHASSIS HARNESS
0317	JS-1029	A	JS-1078	D	YE	20 (AWG)	5V [Brake_R]	CHASSIS HARNESS
0315	JS-1028	A	JS-1078	F	YE	20 (AWG)	5V [Brake_L]	CHASSIS HARNESS
0299	JS-1036	A	JS-1078	B	YE	20 (AWG)	5V [PTO_Clutch]	CHASSIS HARNESS
0300	JS-1037	A	JS-1078	A	YE	20 (AWG)	5V [Drive_Clutch]	CHASSIS HARNESS
0298	JS-1034	A	JS-1078	C	YE	20 (AWG)	5V [Trans_Accum_psi]	CHASSIS HARNESS
0337	JS-1025	A	JS-1078	G	YE	20 (AWG)	5V [3P_Lower_R]	CHASSIS HARNESS
0391	JS-1011	A	JS-1077	H	YE	20 (AWG)	5V [Work_Pump_Pos]	CHASSIS HARNESS
0390	JS-1035	A	JS-1077	G	YE	20 (AWG)	5V [Imp_On/Off]	CHASSIS HARNESS
0031	BP-001	39	JS-1071	B	YE	20 (AWG)	HAND_THROTTLE_5V_PWR1	CHASSIS HARNESS
0021	BS-015	M	JS-1001	105	YE	20 (AWG)	HVDB_Temp_sensor	CHASSIS HARNESS
230	JS-1109	12	JS-1109	10	YE	20 (AWG)	BPillar_HRI_Jumper_Wire_1	CHASSIS HARNESS
0109	BS-012	M	JS-1008	47	YE	20 (AWG)	GEAR SENSOR 5V	CHASSIS HARNESS
0252	JS-1013	C	JS-1071	A	YE	20 (AWG)	PWR	CHASSIS HARNESS

-> YE-20

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0076	BS-041	6	JS-1077	C	YE	20 (AWG)	3Point_PWR	CHASSIS HARNESS
0334	JS-1026	A	JS-1078	K	YE	20 (AWG)	5V [3P_Raise_L]	CHASSIS HARNESS
0107	BS-012	H	JS-1008	26	YE	20 (AWG)	RANGE SENSOR 5V	CHASSIS HARNESS

YE-22

Wire Number	Origin	Origin Terminal	Destination	Destination Terminal	Color Code	Section	Signal	Harness
0272	JS-1008	25	SP-1009	1	YE	22 (AWG)	Ecotron_5V	CHASSIS HARNESS
0276	JS-1018	4	SP-1009	2	YE	22 (AWG)	RightBrake_5V_2_Ecotron	CHASSIS HARNESS
0262	JS-1018	3	JS-1071	F	YE	22 (AWG)	5V[3Point_L]	CHASSIS HARNESS
0127	JS-1008	27	JS-1085	3	YE	22 (AWG)	SPEED_SENSOR_PWR_1	CHASSIS HARNESS
0257	JS-1072	B	JS-1097	3	YE	22 (AWG)	5V [Brake_P]	CHASSIS HARNESS
0259	JS-1038	3	JS-1071	C	YE	22 (AWG)	5V [Suct_Line]	CHASSIS HARNESS
0026	JS-1002	247	JS-1071	D	YE	22 (AWG)	TTC580_5V1	CHASSIS HARNESS
0024	JS-1002	234	JS-1072	J	YE	22 (AWG)	TTC580_5V2	CHASSIS HARNESS
0261	JS-1017	3	JS-1071	G	YE	22 (AWG)	5V[Brake_Pos_R]	CHASSIS HARNESS
0126	JS-1008	12	JS-1086	5	YE	22 (AWG)	Rear_Left_Wheel_Speed_Sensor	CHASSIS HARNESS
0128	JS-1008	48	JS-1086	4	YE	22 (AWG)	SPEED SENSOR PWR_2	CHASSIS HARNESS
0279	JS-1019	3	SP-1009	1	YE	22 (AWG)	RightBrake_5V_2_Ecotron	CHASSIS HARNESS
0260	JS-1016	3	JS-1071	H	YE	22 (AWG)	5V[Brake_Pos_L]	CHASSIS HARNESS
0258	JS-1019	4	JS-1071	E	YE	22 (AWG)	5V[3Point_R]	CHASSIS HARNESS
0083	JS-1015	1	JS-1071	K	YE	22 (AWG)	Sensor 1 Supply +5	CHASSIS HARNESS
0082	JS-1015	6	JS-1071	J	YE	22 (AWG)	Sensor 2 Supply +5	CHASSIS HARNESS

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Amphenol

	Reference	Manufacturer	Mark	Description	Quantity
1	AT62-203-04141-4	Amphenol	-BS-007 (P)	SIZE 4 SOCKET CONTACT, 4 AWG	2

Amphenol Sine Systems, USA

	Reference	Manufacturer	Mark	Description	Quantity
1	AHDP02-18-06SN-SRAC030	Amphenol Sine Systems, USA	-BS-007 (P)	2 POSITIONS, SEALED PANEL MOUNT RECEPTACLE, SOCKET, REVERSED ARRANGMENT, SIZE 18, NORMAL SEAL, SMOOTH RING ADAPTER	1

Aptiv

	Reference	Manufacturer	Mark	Description	Quantity
1	12124076	Aptiv	-JS-1013	Automotive Connectors TERM M/P 150 FEM	4
2	12162834	Aptiv	-JS-1013	Automotive Connectors 4P FEM GRY CONN ASSY MP 150.2 SERIES	1

BOSCH

	Reference	Manufacturer	Mark	Description	Quantity
1	1928300600	BOSCH	-JS-1002	Wire Seal,Size 12 -14 AWG	6
2	1928404760	BOSCH	-JS-1002	Secondary Lock BDK	1
3	1928404761	BOSCH	-JS-1002	Secondary Lock	1
4	1928404762	BOSCH	-JS-1001	Secondary Lock	1
5	1928404773	BOSCH	-JS-1001	Connector Cover, 96 Way	1
6	1928404774	BOSCH	-JS-1002	Connector Cover, 58 Way	1
7	1928404780	BOSCH	-JS-1002	Controller Connector - 58 Pole	1
8	1928404781	BOSCH	-JS-1001	Controller Connector - 96 Pole	1
9	1928498057	BOSCH	-JS-1002	Bosch Female Terminal BDK 14-12 AWG : Single wire seal	6
10	1928498679	BOSCH	-JS-1002, -JS-1001	Bosch Female Terminal 22-20 AWG - Mat seal	121

Deutsch

	Reference	Manufacturer	Mark	Description	Quantity
1	0413-204-2005	Deutsch	-BS-006	Cavity plug	22

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-> Deutsch

	Reference	Manufacturer	Mark	Description	Quantity
2	1011-349-1205	TE	-BS-045	Plastisol Dust Cap 12 Socket Receptacle	1
3	W6S	Deutsch	-JS-0905	DT Wedgelock for 6 way plug	1

Molex

	Reference	Manufacturer	Mark	Description	Quantity
1	19164-0013	Molex	-SP-1001, -SP-1002, -SP-1003, -SP-1005, -SP-1006, -SP-1004, -SP-1007, -SP-1010, -SP-1008, -SP-1009, -SP-1011, -SP-1012, -SP-1017, -SP-1018, -SP-1019, -SP-1020, -SP-1021, -SP-1022, -SP-1023, -SP-1024, -SP-1025	Butt splice 22-18AWG Perma-Seal	21
2	19164-0044	Molex	-SP-1013, -SP-1014, -SP-1015, -SP-1016	4 Terminals Butt splice 16-14AWG Perma-Seal	4

MOLEX

	Reference	Manufacturer	Mark	Description	Quantity
1	19221-0231	MOLEX	-Roof GND 4	COMPRESSION STYLE RING TONGUE TERMINAL FOR 4 AWG WIRE, STUD SIZE 5/16" (M8), TIN PLATED	2

Molex

	Reference	Manufacturer	Mark	Description	Quantity
1	33472-1201	Molex	-JS-1109	MX150 ASSY 1.5 RCPT 2X6 BLK A/12	1
2	34345-0001	Molex	-JS-1109	MX150 Cavity seal Plug	6
~~3~~	~~191930141~~	~~Molex~~	~~L4 Ground Lug~~	~~LUG 10-12 AWG M8~~	~~1~~
4	330113002	Molex	-BS-007 (I/O)	MX150 Male Terminal for Mat-Sealed or Unsealed	10
5	330122002	Molex	-JS-1109	MX 150 18-20 AWG Female Terminal	8
6	349511210	Molex	-JS-1109	MX150 Backshell for Female Sealed Connector Assembly, 12 Circuit, with Rib	1
7	477259040	Molex	-BS-007 (I/O)	MX150 Male Connector Assembly, Panel Mount, Dual Row, 12 Circuits, Keying Option	1

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Panduit

	Reference	Manufacturer	Mark	Description	Quantity
1	A1/0-38R-C	Panduit	-R4, -R3, -R1, -R2	Terminals Battery Cable Lug, 1/0 AWG, 3/8" Stud	4
2	12124297	APTIV	-L2, L1, L4, L5, L6, L7	CONN TERM RECT RING 16MM #M8	6
3	12129598	APTIV	L3		1

Phillips

	Reference	Manufacturer	Mark	Description	Quantity
1	15-720P-1	Phillips	-BP-044	7 PIN	1
2	15-740	Phillips	-BP-044	Industries Socket Boot	1

Phoenix Contact

	Reference	Manufacturer	Mark	Description	Quantity
1	3200043	Phoenix Contact	-BP-044	Terminals 1.5mm BK 16AWG	6

TE Connectivity

	Reference	Manufacturer	Mark	Description	Quantity
1	1-967616-1	TE Connectivity	-JS-1085, -JS-1086, -JS-1015, -JS-1018, -JS-1019, -JS-1016, -JS-1017, -JS-1097	MQS BU-GEH EDS 6P	8
2	1-1718645-1	TE Connectivity	-JS-1038	4POS, MCON 1.2 LL REC SEALED	1
3	1-2273083-1	TE Connectivity	-JS-0901	M12 x 1.0 angled socket pigt A	1
4	5-962885-1	TE Connectivity	-JS-1085, -JS-1086, -JS-1015, -JS-1018, -JS-1019, -JS-1016, -JS-1017, -JS-1097	MQS0,63 Sn rec LL EDS 0,2-0,35	33
5	7-1452668-1	TE Connectivity	-JS-1038	MCON 1.2 LL REC SWS SN	4
6	0413-204-2005	TE Connectivity	-BS-046, -JS-0905	SEALING PLUG, SIZE 20, RED - $$0413-204-2005 - 0413-204-2005-AS - 0413-204-2005-L - 0413-204-2005-LD - 0413-204-2005-LS - 5-1899776-3 - ZPF000000000133669	3
7	0413-217-1605	TE Connectivity	-BS-045	SEALING PLUG, SIZE 16, LOCKING, WHT - ZPF000000000131735	2
8	0460-202-16141	TE Connectivity	-BS-041, -BS-040, -BP-029, -BS-006	PIN, SOLID, SIZE 16, 16-20AWG, NI - $$0460-202-16141 - 0460-202-16141-AS - 0460-202-16141-MS - 11810 - 2203596-1 - 4004200320 - 43019-000 - 5000887 - 8202612043 - 820E-37522 - ZPF000000000121709	51
9	0460-202-20141	TE Connectivity	-BS-006	0460-202-20141, PIN, NICKEL - $$0460-202-20141 - 0460-202-20141-AS	26
10	0460-204-08141	TE Connectivity	-BP-029	PIN, SOLID, SIZE 8, 8-10AWG, NI - 0460-204-08141-AS	2
11	0460-204-12141	TE Connectivity	-BP-029	PIN, SOLID, SIZE 12, 12-14AWG, NI - $$0460-204-12141 - 0460-204-12141-AS - ZPF000000000133670	2

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SIZE B | JOB NO. | DRAWING NO. W0110 | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 79

-> TE Connectivity

	Reference	Manufacturer	Mark	Description	Quantity
12	0462-201-16141	TE Connectivity	-BS-015, -BS-046, -JS-1034, -JS-1036, -JS-1037, -JS-1060, -JS-1058, -JS-1057, -JS-1050, -JS-1051, -JS-1052, -JS-1053, -JS-1028, -JS-1033, -JS-1029, -JS-1049, -JS-1048, -JS-1046, -JS-1047, -JS-1026, -JS-1027, -JS-1024, -JS-1025, -JS-1042, -JS-1043, -JS-1044, -JS-1045, -JS-1020, -JS-1021, -JS-1022, -JS-1023, -JS-1069, -JS-1070, -JS-1067, -JS-1068, -JS-1030, -JS-1035, -JS-1055, -JS-1012, -JS-1011, -JS-1061, -JS-1056, -JS-1062, -BS-012, -JS-1103, -JS-1104, -JS-1105, -JS-1107, -JS-1100, -JS-1101, -BP-001, -BS-045, -JS-1401, -JS-1402, -JS-1403, -JS-1059, -JS-1110	SOC, SOLID, SIZE 16, 16-20AWG, NI - $$0462-201-16141 - 11811 - 2203598-1 - 60.345.00 - ZPF000000000133620	196
13	0462-203-08141	TE Connectivity	-BP-001	SOC, SOLID, SIZE 8, 8-10AWG, NI - 0462-203-08141-AS - 0462-203-08141-L - 0462-203-08141-LS - 0462-203-08141-M - 0462-203-08141-MS - 60.347.00	1
14	0462-203-12141	TE Connectivity	-BS-012, -BP-001	SOC, SOLID, SIZE 12, 12-14AWG, NI - $$0462-203-12141 - 0462-203-12141-AS - 0462-203-12141-L - 0462-203-12141-LS - 0462-203-12141-M - 0462-203-12141-MS - 60.346.00 - ZPF000000000133673	12
15	0462-209-16141	TE Connectivity	-BS-015, -BP-001	SOC, SOLID, SIZE 16, 14AWG, NI - $$0462-209-16141 - 0462-209-16141-AS - 0462-209-16141-MS - 2203599-1 - ZPF000000000131887	5
16	1062-16-0622	TE Connectivity	-JS-0905	SOC, SF, SIZE 16, 16-20, NI/SN - 1062-16-0622-M - 1062-16-0622-MS - 1062-16-0622SAMPLE - 820P-36949 - ZPF000000000131936 - ZPF000000000141109	4
17	2414-001-2486	TE Connectivity	-BP-029	LOCKWASHER, SIZE 24, HDP - 2414-001-2486-AS - 2414-001-2486-M - 2414-001-2486-MS - ZPF000000000131781	1
18	5962-203-04141	TE Connectivity	-BP-001	SOCKET, SOLID, SIZE 4, 4AWG, NICKEL	1
19	112263-90	TE Connectivity	-BP-029	PANEL NUT - 112263-90-AS - ZPF000000000135911	1
20	114017-ZZ	TE Connectivity	-BS-015, -BS-041, -BS-040, -BP-029, -BS-012, -BP-001	SEALING PLUG, SIZE 12/16, WHT - $$114017 - 114017 - 114017-A - 114017-AS - 114017-B - 114017-E - 114017-L - 114017-LD - 114017-LS - 114017-M - 114017-MS - 114017-ZZ-E - 11814 - 8B.118.00	72
21	114018-ZZ	TE Connectivity	-BP-001	SEALING PLUG, SIZE 8, WHT - 114018 - 5-1899776-1 - ZPF000000000131734	3
22	114019-ZZ	TE Connectivity	-BP-001	SEALING PLUG, SIZE 4, WHT - ZPF000000000131733	1
23	368382-1	TE Connectivity	-JS-1008	MQS RETAINER HSG FOR 81P	1
24	368388-1	TE Connectivity	-JS-1009	MQS RETAINER HSG FOR 40P	1
25	936054	TE Connectivity	-JS-1008, -JS-1009	Automotive Connectors CAVITY PLUG ECU 40P&81P ASSY	79
26	963292-1	TE Connectivity	-JS-1009	Automotive Connectors WIRE SEALING 2.2	6
27	963293-1	TE Connectivity	-JS-1008, -JS-1009	Single Wire Seal (SWS)	8

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SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 80

-> TE Connectivity

	Reference	Manufacturer	Mark	Description	Quantity
28	964273-2	TE Connectivity	-JS-1008, -JS-1009	JPT A REC 2.8 Contact SWS Sn	14
29	967056-1	TE Connectivity	-JS-1085, -JS-1086, -JS-1016, -JS-1017, -JS-1097	MQS BLINDSTOPFEN4MM	15
30	967067-1	TE Connectivity	-JS-1085, -JS-1086, -JS-1015, -JS-1018, -JS-1019, -JS-1016, -JS-1017, -JS-1097	MQS SGL WIRE SEAL - 0-0967067-1 - AMP-0-0967067-1 - EG9740-000	33
31	967067-2	TE Connectivity	-JS-1038	MQS EINZELLEITDICHT	4
32	968220-1	TE Connectivity	-JS-1008	Automotive Connectors MQS0,63 Sn rec CB unseal. 0,2-0,35	8
33	968221-1	TE Connectivity	-JS-1008, -JS-1009	MQS0,63 Sn rec CB unseal. 0,5-0,75	25
34	1473244-1	TE Connectivity	-JS-1008	Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 81 Position	1
35	1473247-1	TE Connectivity	-JS-1008	MQS 81P LEVER(R) ASSY	1
36	1473252-1	TE Connectivity	-JS-1009	40POS MIXED MQS REC SEALED	1
37	1473255-1	TE Connectivity	-JS-1009	MQS 40P LEVER(L) ASSY	1
38	CTJ116E01D-513	TE Connectivity	-JS-1075	MODULE ASSY	1
39	CTJ120E06E-513	TE Connectivity	-JS-1073, -JS-1074, -JS-1072, -JS-1071, -JS-1076, -JS-1077, -JS-1079, -JS-1078	12 Way Connector	8
40	DRB16-102SAE-L018	TE Connectivity	-BP-001	PLG, 102P, BLK, E, CAP, A - 3-1899772-4 - DRB16-102SAE-L018-E - DRB16-102SAE-L018-L - DRB16-102SAE-L018-LD - DRB16-102SAE-L018-LS - DRB16-102SAE-L018-M - DRB16-102SAE-L018-MS - ZPF000000000138177	1
41	DRB102-BT-90DEG	TE Connectivity	-BP-001	BT DRB 102 WY 90DEG	1
~~42~~	~~DRBF-1A~~	~~TE Connectivity~~	~~-BP-001~~	~~FLANGE, MOUNT, 102/128P, BLK, A - DRBF-1A-L - DRBF-1A-LD - DRBF-1A-LS - DRBF-1A-M - DRBF-1A-MS - ZPF000000000131750~~	~~1~~
43	DT06-2S	TE Connectivity	-JS-1060, -JS-1058, -JS-1057, -JS-1050, -JS-1051, -JS-1052, -JS-1053, -JS-1049, -JS-1048, -JS-1046, -JS-1047, -JS-1042, -JS-1043, -JS-1044, -JS-1045, -JS-1069, -JS-1070, -JS-1055, -JS-1012, -JS-1061, -JS-1056, -JS-1062, -JS-1103, -JS-1104, -JS-1105, -JS-1107, -JS-1100, -JS-1101, -JS-1402, -JS-1403, -JS-1059, -JS-1110	DT06-2S, PLG, 2POS, GRY, N	32

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SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 81

-> TE Connectivity

	Reference	Manufacturer	Mark	Description	Quantity
44	DT06-3S-C015	TE Connectivity	-JS-1034, -JS-1036, -JS-1037, -JS-1028, -JS-1033, -JS-1029, -JS-1026, -JS-1027, -JS-1024, -JS-1025, -JS-1020, -JS-1021, -JS-1022, -JS-1023, -JS-1067, -JS-1068, -JS-1030, -JS-1035, -JS-1011, -JS-1401	PLG, 3P, GRY, E	20
45	DT06-6S	TE Connectivity	-JS-0905	PLG, 6P, GRY, N - 6-1899776-2	1
46	DT06-12SA	TE Connectivity	-BS-046, -BS-045	DT PLUG ASM	2
47	HD30-24BT-BK	TE Connectivity	-BS-006	BT HD30/HDP20 24 SHL PL AND RC BLK	1
48	HD34-24-91PN-059	TE Connectivity	-BP-029	REC, 9P, AL, N,CBLCLMPBT,DRAIN,8/12/16,P - 8-1899770-0	1
49	HDC36-24	TE Connectivity	-BP-029	PL COVER ASM - ZPF000000000131726	1
50	HDP26-18-14PE	TE Connectivity	-BS-040	PLG, 14P, BLK, E, 16, P - ZPF000000000130755	1
51	HDP26-18-14SE	TE Connectivity	-BS-015	PLG, 14P, BLK, E, 16, S - HDP26-18-14SE-AS - HDP26-18-14SE-L - HDP26-18-14SE-LS - HDP26-18-14SE-M - HDP26-18-14SE-MS - HDP26-18-14SE-S - HDP26-18-14SE-SC - ZPF000000000130758	1
52	HDP26-24-21SE	TE Connectivity	-BS-012	PLG, 21P, BLK, E, 12/16, S	1
53	HDP26-24-31PE	TE Connectivity	-BS-041	PLG, 31P, BLK, E, 16, P - $$HDP26-24-31PE - HDP26-24-31PE-L - HDP26-24-31PE-LS - ZPF000000000131149	1
54	HDP26-24-47PE	TE Connectivity	-BS-006	PLG, 47P, BLK, E, 16/20, P - ZPF000000000131330	1
55	W2S	TE Connectivity	-JS-1060, -JS-1058, -JS-1057, -JS-1050, -JS-1051, -JS-1052, -JS-1053, -JS-1049, -JS-1048, -JS-1046, -JS-1047, -JS-1042, -JS-1043, -JS-1044, -JS-1045, -JS-1069, -JS-1070, -JS-1055, -JS-1012, -JS-1061, -JS-1056, -JS-1062, -JS-1103, -JS-1104, -JS-1105, -JS-1107, -JS-1100, -JS-1101, -JS-1402, -JS-1403, -JS-1059	WEDGE LOCK - ZPF000000000131424	31
56	W3S	TE Connectivity	-JS-1034, -JS-1036, -JS-1037, -JS-1028, -JS-1033, -JS-1029, -JS-1026, -JS-1027, -JS-1024, -JS-1025, -JS-1020, -JS-1021, -JS-1022, -JS-1023, -JS-1067, -JS-1068, -JS-1030, -JS-1035, -JS-1011, -JS-1401	WEDGE LOCK - W3S-AS	20
57	W12S	TE Connectivity	-BS-046, -BS-045	WEDGE LOCK - W12S-AS - ZPF000000000131463	2
58	WB-51SAL	TE Connectivity	-BP-001	WEDGE LOCK - WB-51SAL-L - WB-51SAL-LS - ZPF000000000138179	1

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-> TE Connectivity

	Reference	Manufacturer	Mark	Description	Quantity
59	WB-51SAR	TE Connectivity	-BP-001	WEDGE LOCK - WB-51SAR-L - WB-51SAR-LS - ZPF000000000131507	1

X ± 03

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SIZE B | JOB NO. | DRAWING NO. W0110 Chassis | REV. E

SCALE 1:1 | CHASSIS HARNESS | SHEET NO. 83